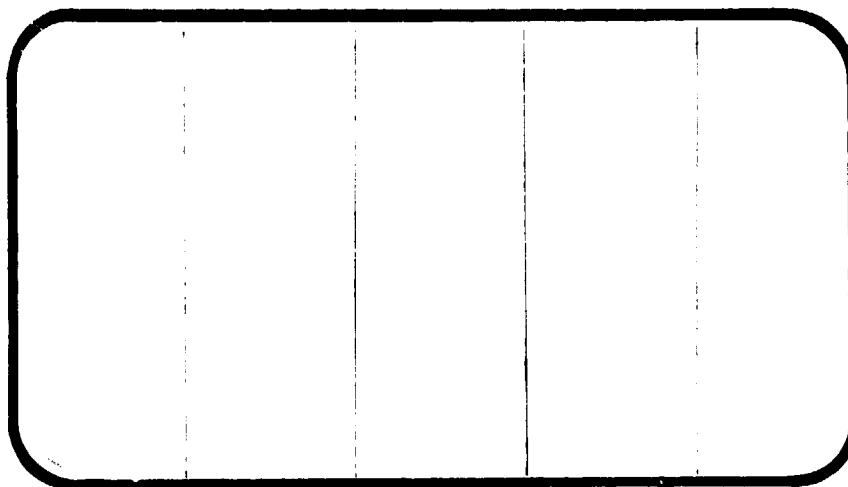




# NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

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141529



(NASA-CR-141529) AIFLOADS INVESTIGATION OF  
AN 0.030 SCALE MODEL OF THE SPACE SHUTTLE  
VEHICLE 140A/B ORBITER CONFIGURATION (MODEL  
47-0) IN THE 11-FOOT UNITARY PLAN WIND  
TUNNEL FOR MACH 0.6 AND 0.9 (0A22A)

N75-23649

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SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT

JOHNSON SPACE CENTER

HOUSTON, TEXAS

DATA MANAGEMENT services

SPACE DIVISION



CHRYSLER  
CORPORATION

April, 1975

DMS-DR-2130  
NASA CR-141,529

AIRLOADS INVESTIGATION OF AN 0.030-SCALE MODEL OF  
THE SPACE SHUTTLE VEHICLE 140A/B ORBITER  
CONFIGURATION (MODEL 47-0) IN THE 11-FOOT UNITARY  
PLAN WIND TUNNEL FOR MACH 0.6 AND 0.9 (0A22A)

By

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Rockwell International Space Division

Prepared under NASA Contract Number NAS9-13247

By

Data Management Services  
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New Orleans, La. 70189

for

Engineering Analysis Division

Johnson Space Center  
National Aeronautics and Space Administration  
Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number: ARC 11-716  
NASA Series Number: OA22A  
Model Number: 47-0  
Test dates: 13 through 14 September 1973

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AIRLOADS INVESTIGATION OF AN 0.030-SCALE MODEL OF  
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ABSTRACT

This report presents results of tests conducted on a 0.030-scale orbiter model of the Space Shuttle Vehicle 140A/B in the NASA-ARC 11-Foot Unitary Plan Wind Tunnel. Aerodynamic loads data were obtained at Mach numbers of 0.6 and 0.9.

Surface pressure distributions were obtained simultaneously with six-component stability and control force data on the orbiter configuration. The configuration simulated the 140A/B orbiter. Angles of attack from -15 degrees to +15 degrees and angles of sideslip from -10 to +10 degrees were investigated. Model variables included elevon, rudder and speed brake deflections. The tests, designated OA22A, were conducted on 13 and 14 September 1973.



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8	B26 C9 F8 M7 N28 V8 R5 W116 E26, BETA = 0, SPEED BRAKE = 35	MACH	A	37-45
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11	B26 C9 F8 M7 N28 V8 R5 W116 E26, MACH = .9, ELEVON = 0	ALPHA	B	64-72
12	B26 C9 F8 M7 N28 V8 R5 W116 E26, MACH = .6, ELEVON = -20	ALPHA	B	73-81
13	B26 C9 F8 M7 N28 V8 R5 W116 E26, MACH = .9, ELEVON = -20	ALPHA	B	82-90

## PLOTTED COEFFICIENT SCHEDULE:

- A) CN, CLM, CA, CAF, CY, CYN, CBL, CL, CD versus ALPHA
- B) CN, CLM, CA, CAF, CY, CYN, CBL, CL, CD versus BETA

# INDEX OF DATA FIGURES (PRESSURE)

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## PLOTTED COEFFICIENT SCHEDULE:

- (A) CP versus X/LB
- (B) CP versus X/CW
- (C) CP versus X/CV
- (D) CP versus BETA

# INDEX OF DATA FIGURES (PRESSURE) - CONTINUED

The plotted pressure data presented as a function of angle of side-slip, angle of attack, and geometric parameter, are representative of the tabulated data presented in the Appendix. A summary of the pressure data plotted is given below.

DATASET PLOTTED	COMPONENT	MACH	PHI SCHED.	BETA SCHED.	ALPHA SCHED.	GEOMETRIC PARAMETER SCHEDULE	
RB2B13	ORB FUSELAGE	.6	(A)	(A)	(A)		
RB2B14	ORB. FUSELAGE	.9	(A)	(A)	(A)		
RB2U13	UPPER WING SURFACE	.6	-	(A)	(A)	Y/BW	(A)
RB2L13	LOWER WING SURFACE	.6	-	(A)	(A)	Y/BW	(A)
RB2U14	UPPER WING SURFACE	.9	-	(A)	(A)	Y/BW	(A)
RB2L14	LOWER WING SURFACE	.9	-	(A)	(A)	Y/BW	(A)
RB2V13	VERT. TAIL LT. SURF.	.6	-	(A)	(A)	Z/BV	(A)
RB2R13	VERT. TAIL RT. SURF.	.6	-	(A)	(A)	Z/BV	(A)
RB2V14	VERT. TAIL LT. SURF.	.9	-	(A)	(A)	Z/BV	(A)
RB2R14	VERT. TAIL RT. SURF.	.9	-	(A)	(A)	Z/BV	(A)
RB2C13	ORBITER BASE	.6	(B)	(A)	(A)	TAP NO.	(A)
RB2C14	ORBITER BASE	.9	(B)	(A)	(A)	TAP NO.	(A)
RB2E13	OMS NOZZLE	.6	(C)	(A)	(A)	X/LNM	(A)
RB2E14	OMS NOZZLE	.9	(C)	(A)	(A)	X/LNM	(A)

## PARAMETER SCHEDULES

### ALPHA

(A) -10, 0, 10

### BETA

(A) -10, 10

### PHI

(A) 0, 20, 40, 55, 70, 90, 120, 135, 150, 165, 190  
 (B) 0  
 (C) 135, 180, 225

INDEX OF DATA FIGURES (PRESSURE) - CONCLUDED

Y/BW	(A)	.299, .364, .427, .534, .673, .780, .887
Z/BV	(A)	.158, .316, .600, .840, .925
TAP NO.	(A)	1, 2, 3, 4, 5
X/LNM	(A)	.2, .4

## INTRODUCTION

The 0.030-Scale Aero Loads Space Shuttle Model was tested in the ARC Unitary Plan Wind Tunnels as follows:

IA14A	4 thru 13 Sept. 1973
IA14B	17 thru 19 Sept. 1973
OA22A	13 thru 14 Sept. 1973
OA22B	19 thru 20 Sept. 1973

For tests IA14A, IA14B, and OA22B see references 18, 19, and 20, respectively.

The testing was conducted in the 11-foot and the 9- by 7-foot tunnels of the ARC Unitary Plan Wind Tunnels. The IA14A/B tests were for the launch configurations at Mach numbers from 0.6 to 2.2. The OA22A/B tests were for the orbiter alone configuration at Mach numbers from 0.6 to 2.2. The effects of control surface deflections were also investigated in tests OA22A/B.

This report for test OA22A consists of one volume which includes both the force and pressure data.

Contents		Pages
OA22A	plotted force data	1-90
OA22A	plotted pressure data	1-64
OA22A	tabulated force data	1-8
OA22A	tabulated pressure data	
(a)	Orbiter fuselage (B)	1-90
(b)	Orbiter base (C)	91-116
(c)	OMS nozzle (E)	117-146
(d)	Body flap (F)	147-172
(e)	OMS pod outside (M)	173-198
(f)	Lower wing surface (L)	199-308
(g)	Upper wing surface (U)	309-418
(h)	Right vertical tail (R)	419-458
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# NOMENCLATURE General

SYMBOL	PILOT SYMBOL	DEFINITION
$u$		speed of sound; m/sec, ft/sec
$C_p$	CP	pressure coefficient: $(p_1 - p_o)/q$
$M$	MACH	Mach number: $V/u$
$p$		pressure; N/m <sup>2</sup> , psf
$q$	$q$ (NOM) $q$ (PCF)	dynamic pressure: $1/2 \rho V^2$ , N/m <sup>2</sup> , psf
$RN/L$	RN/L	unit Reynolds number; per m, per ft
$V$		velocity; m/sec, ft/sec
$\alpha$	ALPHA	angle of attack, degrees
$\beta$	BETA	angle of sideslip, degrees
$\psi$	PSI	angle of yaw, degrees
$\phi$	PHI	angle of roll, degrees
$\rho$		mass density; kg/m <sup>3</sup> , slugs/ft <sup>3</sup>

## Reference & Ch. Definitions

$A_b$		base area; m <sup>2</sup> , ft <sup>2</sup>
$b$	BREF	wing span or reference span; m, ft
$C.G.$		center of gravity
$l_{REF}$	LREF	reference length or wing mean aerodynamic chord; m, ft
$L$	LREF	wing area or reference area; m <sup>2</sup> , ft <sup>2</sup>
	MREF	moment reference point
	XMREF	moment reference point on X axis
	YMREF	moment reference point on Y axis
	ZMREF	moment reference point on Z axis

## SUBSCRIPTS

$e$	exit
$i$	inlet
$o$	static condition
$t$	total condition
$\infty$	free stream



# NOMENCLATURE (Continued)

## Body-Axis System

<u>SYMBOL</u>	<u>PILOT SYMBOL</u>	<u>DEFINITION</u>
$C_N$	CN	normal-force coefficient; $\frac{\text{normal force}}{qS}$
$C_A$	CA	axial-force coefficient; $\frac{\text{axial force}}{qS}$
$C_Y$	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
$C_{A_b}$	CAB	base-force coefficient; $\frac{\text{base force}}{qS}$ $-A_b(I_B - r_{B_0})/qS$
$C_{A_f}$	CAF	forebody axial force coefficient; $C_A - C_{A_b}$
$C_m$	CIM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS l_{REF}}$
$C_n$	CYN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS b}$
$C_l$	CBL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS b}$

## Stability-Axis System

$C_L$	CL	lift coefficient; $\frac{\text{lift}}{qS}$
$C_D$	CD	drag coefficient; $\frac{\text{drag}}{qS}$
$C_{D_b}$	CD <sub>b</sub>	base-drag coefficient; $\frac{\text{base drag}}{qS}$
$C_{D_f}$	CD <sub>f</sub>	forebody drag coefficient; $C_D - C_{D_b}$
$C_Y$	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
$C_m$	CIM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS l_{REF}}$
$C_n$	CIN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS b}$
$C_l$	CL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS b}$
$L/D$	L/D	lift-drag ratio; $L/D$

NOMENCLATURE (Continued)  
Additions to Standard List

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
$A_{( )}$		model base area, subscript is base orifice number and identifies location
$C_{A_b}$	CAB	model base axial-force coefficient
$C_{p_{( )}}$		model static pressure coefficient, subscript is orifice number, $[P_{( )} - P_{\infty}]/q$
$C_{AU}$	CA	axial-force coefficient, unadjusted
$C_{AF}$	CAF	forebody axial-force coefficient, $C_{AU}$ adjusted for base terms
$l_{REF}$	LREF	reference length, inches
MRC		moment reference center
OMS		orbital maneuvering system
$\delta_e$	ELEVON	elevon, surface deflection angle, positive deflection trailing edge down, degrees
$\delta_f$	BDFLAP	orbiter body flap deflection angle, positive deflection angle is trailing edge down, degrees
$\delta_R$	RUDDER	rudder, surface deflection angle, positive deflection trailing edge to the left degrees
$\delta_{SB}$	SPDBRK	speed brake deflection angle, split rudder deflection angle, left split rudder trailing edge left and right split rudder trailing edge right, $\delta_{SB} = (\delta_{RL} + \delta_{RR})/2$ , positive deflection, degrees
$l_{NM}$	LNM	length of OMS nozzle, positive direction forward of exit plane, in
$l_{NP}$	LNP	length of MPS nozzle, positive direction forward of exit plane, in
$b/2$	BW	wing semi-span, in

# NOMENCLATURE (Concluded)

$b_v$	BV	vertical tail span, in
$x$	X	longitudinal distance from component nose, in
$y$	Y	lateral distance from centerline, in
$z$	Z	vertical distance measured from W.L. 500 (vertical tail reference root chord), in
$c_w$	CW	local wing chord, in
$c_v$	CV	local vertical tail chord, in
$x/\ell_B$	X/LB	longitudinal position/orbiter body length
$x/\ell_{NM}$	X/LNM	longitudinal position/OMS nozzle length
$x/\ell_{NP}$	X/LNP	longitudinal position/MPS nozzle length
$x/c_w$	X/CW	local chordwise position/local wing chord length
$x/c_v$	X/CV	local chordwise position/local vertical tail chord length
$n$	Y/BW	local spanwise position/wing semi-span
$n_v$	Z/BV	local spanwise position/vertical tail span
$x_{CP}/\ell$	XCP/L	center of pressure distance from MRC, expressed as a fraction of body length
$\ell_B$	LB	length of orbiter body, in

## CONFIGURATIONS INVESTIGATED

The 0.030-scale Aero Loads Model Orbiter, 47-0, was a combination of the VL70-000140A orbiter with a VL70-000140B wing and midbody, from which the 140A/B designation was derived. The orbiter was complete except for deletion of the Main Propulsion System nozzles to provide for an aft sting mount. The orbiter configuration,  $O_1$ , consisted of the following components:

$B_{26} C_9 F_8 M_7 N_{28} V_8 R_5 W_{116} E_{26}$ .

$B_{26}$	Double delta wing fuselage, 140A/B
$C_9$	Canopy, 140A
$F_8$	Body flap, 140A
$M_7$	OMS pods, 140A
$N_{28}$	OMS nozzles, 140A
$V_8$	Vertical tail, 140A
$R_5$	Rudder, 140A
$W_{116}$	Double delta wing, 140B
$E_{26}$	Elevons, 140B

The orbiter was tested as described above with the following parameters variations: rudder deflections of  $0^\circ$ ,  $-10^\circ$ , and  $+10^\circ$ , elevon deflections of  $0^\circ$  and  $-20^\circ$ , and speed brake deflections of  $0^\circ$ ,  $35^\circ$  and  $55^\circ$ .

The general arrangement of the model is shown in figure 2a.

## INSTRUMENTATION DESCRIPTION

The left side of the orbiter was extensively instrumented with pressure orifices for measurement of surface static pressure distributions. The orbiter contained 388 operational orifices, of which 5 were base and balance cavity taps. Tables and sketches defining orifice locations are included in this report. All model pressures were measured by twelve model mounted Scanivalve, Inc., S-type scanivalve modules.

Force instrumentation consisted of a six-component internal force balance mounted in the orbiter sting cavity.

## TEST FACILITY DESCRIPTION

The tests were conducted in the Ames 11- by 11-Foot Transonic Wind Tunnel which is a variable density, closed return, continuous flow type. This tunnel has an adjustable nozzle (two flexible walls) and a slotted test section to permit transonic testing over a Mach number range continuously variable from 0.4 to 1.4.

## DATA REDUCTION

Data were reduced to coefficient form about body axes using the following reference constants:

$S_{REF} = 2.421 \text{ ft}^2$	Orbiter reference area
$l_{REF} = 38.709 \text{ in}$	Orbiter reference length
$XMRP = \text{Fus. Sta. 25.542}$	Longitudinal moment reference point
$YMRP = \text{B.P. 0.0}$	Lateral moment reference point
$ZMRP = \text{W.L. 0.0}$	Vertical moment reference point
$A_1 = 0.07670 \text{ ft}^2$	Orbiter sting cavity area
$A_2 = 0.21340 \text{ ft}^2$	Orbiter heat shield base area
$A_3 = 0.08560 \text{ ft}^2$	Orbiter OMS base (2) area
$A_4 = (\text{see table below})$	Orbiter speed brake base area

$\delta SB = 0 \text{ deg.}$

14.92

24.92

34.92

54.92

84.92

$A_4 = 0 \text{ ft}^2$

0.02327

0.03866

0.05370

0.08252

0.12083

The fourth character in each dataset identifier (i.e., RB2BXX, B for fuselage) represents the individual component. The following list indicates the symbol for each component.

# DATA REDUCTION (Concluded)

Symbol	Component
B	Orbiter fuselage
C	Orbiter base
E	OMS nozzle
F	Body flap
M	OMS pod outside
L	Lower wing surface
U	Upper wing surface
R	Right vertical tail surface
V	Left vertical tail surface



## REFERENCES

1. Orbiter - Lines and Configuration Control Drawings
2. VL70-000140A, Orbiter Configuration Control Drawing MCR 0200 Baseline
3. VL70-000143A, Lines Control, Vehicle 4 Forward Body - Cabin - Canopy MCR 0200 Baseline
4. VL70-000200, Lines Control, Midbody - Wing - Boot Fairing MCR 200 R3 dated 7-2-73
5. VL70-000145, Lines Control - Aft Body - OMS/RCS Pods, MCR 0200 - R1 Baseline
6. VL70-000146A, Lines Control (Vehicle 4) Vertical Tail MCR 0200 Baseline
7. Aero Loads Model 47-OTS - Model Fabrication, Assembly and Installation Drawings
8. SS-A00119, Orbiter Assy - .030 Scale Pressure/Loads Model (140A/B Lines)
9. SS-A00123, Assy & Details - Forebody - .030 Scale Pressure/Loads Model (140A Lines)
10. SS-A00124, Assy & Details - Aft Fuselage - .030 Scale Pressure/Loads Model (140A Lines)
11. SS-A00125, Assy & Details - Wing Splice Plate & Cuff - .030 Scale Pressure/Loads Model (140A Lines)
12. SS-A00126, Assy & Details - Vertical Stabilizer - .030 Scale Pressure/Loads Model (140A Lines)
13. SS-A00127, Ames 11-ft x 11-ft Wind Tunnel Installation - .030 Scale Pressure/Loads Model (140A/B Lines)
14. SS-A00128, Ames 9-ft x 7-ft Wind Tunnel Installation - .030 Scale Pressure/Loads Model (140A/B Lines)
15. SS-A00130, Lines Control - Profile VL70-000140A - .030 Scale Pressure/Loads Model (140A/B Lines)
16. W-1104S, Sting - Ames MK II 4" Balance (Male End), Ames MK XX 2.5" Balance

17. W-1107A, 13.5° Bent Sting Adapter Ames MK II 4" Balance (Male & Female)
18. (DMS-DR-2084) "Airloads Investigation of an 0.030-Scale Model of the Space Shuttle Vehicle 140A/B Launch Configuration (Model 47-OTS) in the ARC 11-foot Unitary Plan Wind Tunnel for Mach Range 0.6 to 1.4 (IA14A)"
19. (DMS-DR-2129) "Airloads Investigation of an 0.030-Scale Model of the Space Shuttle Vehicle 140A/B Launch Configuration (Model 47-OTS) in the ARC 9- by 7-foot Unitary Plan Wind Tunnel for Mach 1.55 and 2.2 (IA14B)"
20. (DMS-DR-2131) "Airloads Investigation of an 0.030-Scale Model of the Space Shuttle Vehicle 140A/B Orbiter Configuration (Model 47-0) in the ARC 9- by 7-foot Unitary Plan Wind Tunnel for Mach 1.55 and 2.2 (OA22B)"

TABLE 1.

[illegible]

TABLE II.

[illegible]

NASA-MSFC-MAF

TABLE II. (Concluded)

[illegible]

TABLE III. - MODEL DIMENSIONAL DATA

MODEL COMPONENT: BODY - B<sub>26</sub>

GENERAL DESCRIPTION: Orbiter Fuselage Configuration 140 A/B

NOTE: B<sub>26</sub> identical to B<sub>2</sub>; except underside of fuselage refaired to accept W<sub>116</sub>.

Model Scale = .030

DRAWING NUMBER: VL70-000193  
VL70-000140A

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length (Body Fwd Sta $X_0 = 238$ ) - in.	<u>1293.3</u>	<u>38.799</u>
Max. Width (at $X_0 = 1520$ ) - in.	<u>262.0</u>	<u>7.860</u>
Max. Depth (at $X_0 = 1464$ ) - in.	<u>250.0</u>	<u>7.500</u>
Fineness Ratio	<u>0.26357</u>	<u>0.26357</u>
Area - ft <sup>2</sup>		
Max. Cross-Sectional	<u>340.88462</u>	<u>0.30679</u>
Planform	<u>                    </u>	<u>                    </u>
Wetted	<u>                    </u>	<u>                    </u>
Base	<u>                    </u>	<u>                    </u>

TABLE III. - Continued.

MODEL COMPONENT: CANOPY - C<sub>9</sub>GENERAL DESCRIPTION: Configuration 3AModel Scale = .030

DRAWING NUMBER

VL70-000140AVL70-000142ADIMENSION:FULL SCALEMODEL SCALELength ( $X_0 = 434.643$  to  $670$ )235.3577.06071Max Width ( $X_0 = 513.127$ )152.4124.57236Max Depth ( $X_0 = 455.0$ )25.0000.75000

Fineness Ratio

Area

Max Cross-Sectional

Planform

Wetted

Base

TABLE III. - Continued.

MODEL COMPONENT: ELEVON - E<sub>26</sub>GENERAL DESCRIPTION: Configuration 4NOTE: VL70-000400 data for (1) of (2) sides. Identical to E<sub>25</sub> except  
airfoil thicknessModel Scale = .030

DRAWING NUMBER:

VL70-000 200  
VL70-000140 B

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area	<u>223.5814</u>	<u>0.20122</u>
Span (equivalent)	<u>368.34</u>	<u>11.05020</u>
Inb'd equivalent chord	<u>119.623</u>	<u>3.58869</u>
Outb'd equivalent chord	<u>55.1922</u>	<u>1.65577</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.2096</u>	<u>0.2096</u>
At Outb'd equiv. chord	<u>0.4004</u>	<u>0.4004</u>
Sweep Back Angles, degrees		
Leading Edge	<u>0.00</u>	<u>0.00</u>
Tailing Edge	<u>-10.056</u>	<u>-10.056</u>
Hingeline	<u>0.00</u>	<u>0.00</u>
Area Moment (Normal to hinge line)	<u>851.1502</u>	<u>0.76604</u>



TABLE III. - Continued.

MODEL COMPONENT: BODY FLAP - F<sub>8</sub>

GENERAL DESCRIPTION: Configuration 4

Model Scale - .030  
DRAWING NUMBER:

VL70-000140B, VL70-000200

<u>DIMENSION:</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length in.	<u>84.7</u>	<u>2.541</u>
Max Width in.	<u>262.308</u>	<u>7.86924</u>
Max Depth in.	<u>23.000</u>	<u><del>0.69000</del></u>
Fineness Ratio	<u></u>	<u></u>
Area - ft <sup>2</sup>		
Max Cross-Sectional		
Planform	<u>158.85350</u>	<u>0.14297</u>
Wetted	<u></u>	<u></u>
Base	<u>41.89642</u>	<u>0.03771</u>

TABLE III. - Continued.

MODEL COMPONENT: OMS POD - M7

GENERAL DESCRIPTION: Configuration 3A

Model Scale = .030

DRAWING NUMBER

VL70-000140A

VL70-000145

DIMENSION:

FULL SCALE

MODEL SCALE

Length (OMS Fwd Sta  $X_0=1233.0$ ) - IN.

327.000

9.810

Max Width (@  $X_0=1450.0$ ) - IN.

94.5

2.8350

Max Depth (@  $X_0=1493.0$ ) - IN.

109.000

3.270

Fineness Ratio

Area

Max Cross-Sectional

Planform

Wetted

Base

TABLE III. - Continued.

MODEL COMPONENT: NOZZLES - N28GENERAL DESCRIPTION: Configuration 3A OMS NozzleModel Scale = .030DRAWING NO. VL70-000140A

## DIMENSIONS

## FULL-SCALE

## MODEL SCALE

MACH NO. \_\_\_\_\_

DIAMETER DEX ~ IN (One nozzle)

DIAMETER DT ~ IN

DIAMETER DIN ~ IN

ON ~ DEGREES

AREA - Ft<sup>2</sup> (one nozzle)

MAX CROSS-SECTIONAL

## GIMBAL ORIGIN

X<sub>0</sub>Y<sub>0</sub>Z<sub>0</sub>

LEFT NOZZLE ~ IN.

1518.0-88.0492.0

RIGHT NOZZLE ~ IN.

1518.0+88.0492.0

## NULL POSITION

PITCHYAW

LEFT NOZZLE (Null Pitch 15°49'; Yaw 12°17'

OUTB'D)

±8°13°17' OUTB'D2°30' INB'D

RIGHT NOZZLE (Null Pitch 15°49'; Yaw 12°17'

OUTB'D)

±8°13°17' OUTB'D2°17' INB'D

TABLE III. - Continued.

MODEL COMPONENT: RUDDER - R5

GENERAL DESCRIPTION: 2A, 3 and 3A Configuration per Rockwell Lines

VL70-000095

---

Model Scale = .030

DRAWING NUMBER: VL70-000095

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area - FT <sup>2</sup>	<u>106.38</u>	<u>0.09574</u>
Span (equivalent) - IN.	<u>201.0</u>	<u>6.0300</u>
Inb'd equivalent chord	<u>91.585</u>	<u>2.74755</u>
Outb'd equivalent chord	<u>50.833</u>	<u>1.52499</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
At Outb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
Sweep Back Angles, degrees		
Leading Edge	<u>34.83</u>	<u>34.83</u>
Tailing Edge	<u>26.25</u>	<u>26.25</u>
Hingeline	<u>34.83</u>	<u>34.83</u>
Area Moment (Normal to hinge line)- FT <sup>3</sup>	<u>526.13</u>	<u>0.01420</u>
Product of Area and Mean Chord		

TABLE III. - Continued.

MODEL COMPONENT: VERTICAL - V<sub>8</sub>GENERAL DESCRIPTION: Configuration 3A

NOTE: Similar to V5 with radius on TE upper corner and LE lower corner  
 where vertical meets fuselage.

Model Scale = .030

DRAWING NUMBER:

VL70-000140AVL70-000146ADIMENSIONS:FULL-SCALEMODEL SCALETOTAL DATA

Area (Theo) Ft <sup>2</sup>	<u>413.253</u>	<u>0.37193</u>
Planform		
Span (Theo) In	<u>315.720</u>	<u>9.47160</u>
Aspect Ratio	<u>1.675</u>	<u>1.675</u>
Rate of Taper	<u>0.507</u>	<u>0.507</u>
Taper Ratio	<u>0.40399</u>	<u>0.40399</u>
Sweep Back Angles, degrees		
Leading Edge	<u>45.00</u>	<u>45.00</u>
Trailing Edge	<u>25.947</u>	<u>25.947</u>
0.25 Element Line	<u>41.130</u>	<u>41.1300</u>
Chords:		
Root (Theo) WP	<u>268.500</u>	<u>8.05500</u>
Tip (Theo) WP	<u>108.470</u>	<u>3.25410</u>
MAC	<u>199.8056</u>	<u>5.99423</u>
Fus. Sta. of .25 MAC	<u>1463.50</u>	<u>43.9050</u>
W. P. of .25 MAC	<u>635.522</u>	<u>19.06566</u>
B. L. of .25 MAC	<u>0.00</u>	<u>0.00</u>
Airfoil Section		
Leading Wedge Angle Deg	<u>10.00</u>	<u>10.00</u>
Trailing Wedge Angle Deg	<u>14.920</u>	<u>14.920</u>
Leading Edge Radius (in) - IN.	<u>2.00</u>	<u>0.060</u>
Void Area	<u>13.17</u>	<u>0.01185</u>
Blanketed Area	<u>0.00</u>	<u>0.00</u>

TABLE III. - Concluded.

MODEL COMPONENT: WING - W<sub>116</sub>GENERAL DESCRIPTION: Configuration 4NOTE: Identical to W<sub>114</sub> except airfoil thickness. Dihedral angle is along  
trailing edge of wing.

Model Scale = .030

TEST NO.

DWG. NO. VL70-000140B  
VL70-000200

DIMENSIONS:

FULL-SCALE

MODEL SCALE

## TOTAL DATA

Area (Theo.)  $\text{Ft}^2$ 

Planform

2690.00

2.4210

Span (Theo) In.

936.6816

28.10045

Aspect Ratio

2.265

2.265

Rate of Taper

1.177

1.177

Taper Ratio

0.200

0.200

Dihedral Angle, degrees (at  $X_0=1506.623, Y_0=$ 

3.500

3.500

Incidence Angle, degrees 105,  $Z_0=282.75$ )

0.500

0.500

Aerodynamic Twist, degrees

+3.000

+3.000

Sweep Back Angles, degrees

45.00

45.00

Leading Edge

-10.056

-10.056

Trailing Edge

35.209

35.209

0.25 Element Line

## Chords:

Root (Theo) B.P.O.O.

689.2429

20.67729

Tip, (Theo) B.P.

137.8486

4.13546

MAC

474.8117

14.24435

Fus. Sta. of .25 MAC

1126.721

33.80163

W.P. of .25 MAC

291.00

8.73000

B.L. of .25 MAC

187.33491

5.62005

## EXPOSED DATA

Area (theo)  $\text{Ft}^2$ 

1812.2205

1.63010

Span, (Theo) In. BP108

736.6816

22.10045

Aspect Ratio

2.058

2.058

Taper Ratio

0.2451

0.2451

## Chords

Root BP108

570.6230

17.11869

Tip  $1.00 \frac{b}{2}$ 

137.8512

4.13554

MAC

354.2376

10.62713

Fus. Sta. of .25 MAC

1164.237

34.92711

W.P. of .25 MAC

292.00

8.76000

B.L. of .25 MAC

239.67786

7.19034

Airfoil Section (Rockwell Mod NASA)

XXXX-64

Root  $\frac{b}{2} = 0.425$ 

0.113

0.113

Tip  $\frac{b}{2} = 1.00$ 

0.12

0.12

Data for (1) of (2) Sides

Leading Edge Cuff  $\text{Ft}^2$ 

118.333

0.10650

Planform Area

505.0

15.15000

Leading Edge Intersects Fus M. L. @ Sta

1003.5

30.10500

Leading Edge Intersects Wing @ Sta

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TABLE IV. - ORBITER FUSELAGE PRESSURE ORIFICE LOCATIONS

ORBITER X <sub>0</sub> IN.			RADIAL LOCATION Ø DEGREES																		
FULL	MODEL	X <sub>0</sub> /10	0	20	40	55	70	90	105	110	120	135	140	150	151	155	162	165	169	174	180
235	7.05	0	6																		9
245	7.35	.008	7					8													18
265	7.95	.023	10	11	12	13	14	15			16			17							27
295	8.85	.047	19	20	21	22	23	24			25			26							36
325	9.75	.070	28	29	30	31	32	33			34			35							45
380	11.40	.112	37	38	39	40	41	42			43			44							
440	13.20	.159																			
450	13.50	.167	47	48	49	50	51	52			53				54		58		55	46	56
465	13.95	.178													57						
500	15.00	.205	59	60	61	62	63	64			65		66	67				68			69
560	16.80	.252	70	71	71		72	73			74			75				76			77
625	18.75	.301	78	79	79		80	81			82			83				84			85
725	21.75	.379	86	87	87		88	89			90			91				92			93
860	26.40	.499	94	95	95		96	97			98			99				100			101
950	29.40	.570	102	103	103																
1090	32.40	.653	104	105	105		106	107			108			109				110			111
1180	35.40	.730	112	113	113		114	115			116			117							118
1245	37.35	.781	119	120	120		121	122	123		124	125		126				127			128
1300	39.00	.825	129	130	130		131	132	133		134	135		136							137
1375	41.25	.882	138	139	139		140	141	142		143	144		145				146			
1430	42.90	.923	147	148	148		149	150	151		152	153		154				155			
1480	44.40	.963	156	157	157		158	159	160		161	162		163				164			
a 1530	45.90	1.001								165	166										
b 1530	45.90	1.002								167	168										
c 1555	46.65	1.021	169	170																	
d 1590	47.70	1.048	171	172																	
1590	47.70	1.048	173	174																	

X<sub>0</sub> = 1293.3 full scale      a: OMS pod, inside      c: Body flap lower surface  
X<sub>0</sub> = 38.799 model      b: OMS pod, outside      d: Body flap upper surface

data in datasets RB2BXX

TABLE V. - ORBITER WING PRESSURE ORIFICE LOCATIONS

[illegible]

08  
11  
20  
21  
22

(9) (U)

data in datasets RB2UXX (upper) and RB2LXX (lower)

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TABLE VI . - ORBITER VERTICAL TAIL PRESSURE ORIFICE LOCATIONS

VERTICAL $W_L \sim Z_0$				X/C <sub>V</sub>								
FULL	MODEL	$n_V$		0	.025	.05	.15	.30	.52	.685	.775	.90
550	16.50	.158	RH LE LH	316		324 318	325 319	326 320	327 321	328 322	329 323	
600	18.00	.316	RH LE LH	330		339 332	340 333	341 334	342 335	343 336	344 337	345 338
690	20.70	.600	RH LE LH	346		355 348	356 349	357 350	358 351	359 352	360 353	361 354
765	22.95	.840	RH LE LH	362		371 364	372 365	373 366	374 367	375 368	376 369	377 370
792	23.76	.925	RH LE LH	378	379	387 380	388 381	389 382	390 383	391 384	392 385	393 386

data in datasets RB2VXX (left side) and RB2RXX (right side)

TABLE VII. - ORBITER BASE, BODY FLAP, AND OMS NOZZLE PRESSURE ORIFICE LOCATIONS

ORBITER BASE

LOCATION	ORIFICE NUMBER
Orbiter Sting Cavity	1
Orbiter Base (Lower Left Corner)	2
OMS Nozzle Base	3

data in datasets RB2CXX

RUDDER FLARE BASE

RUDDER $\theta \sim Z_0$		X/C <sub>V</sub>
FULL	MODEL	.75
725	18.75	4
625	21.75	5

data in datasets RB2CXX

BODY FLAP

ORBITER $\sim X_0$		$\theta \sim \text{Deg}$	
FULL	MODEL	0	40
1555	46.65	169	170
1590	47.70	Upper 173	174
1590	47.70	Lower 171	172

data in datasets RB2FXX

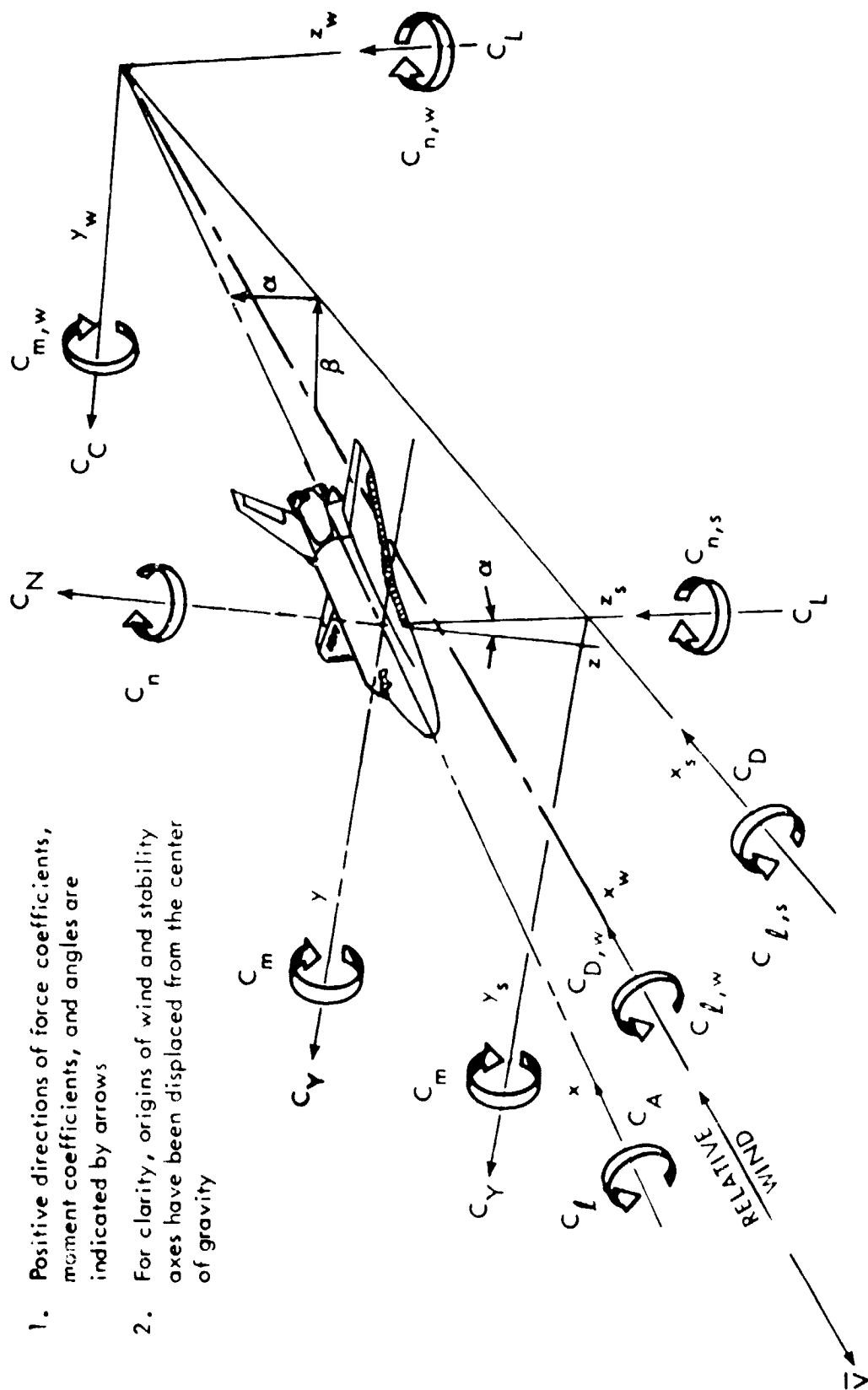
LEFT OMS NOZZLE SURFACE

X $\sim$ IN. FWD. NOZZLE EXIT		$\theta \sim \text{DEG.}$		
FULL	MODEL	135	180	225
10	.30	175	176	177
20	.60		178	

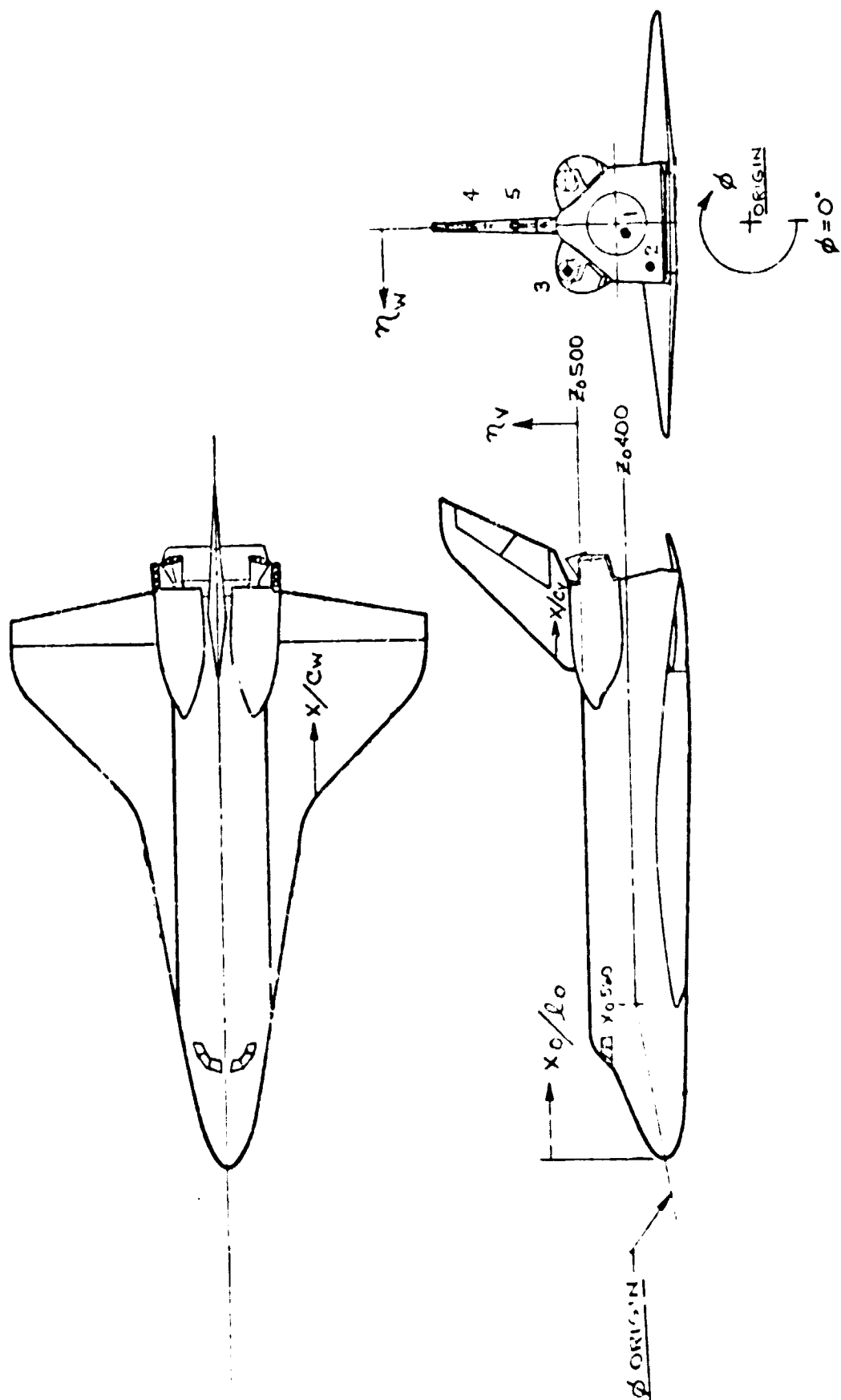
data in datasets RB2EXX

# Notes

1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity



a. Stability and body axis systems  
Figure 1. - Axis systems

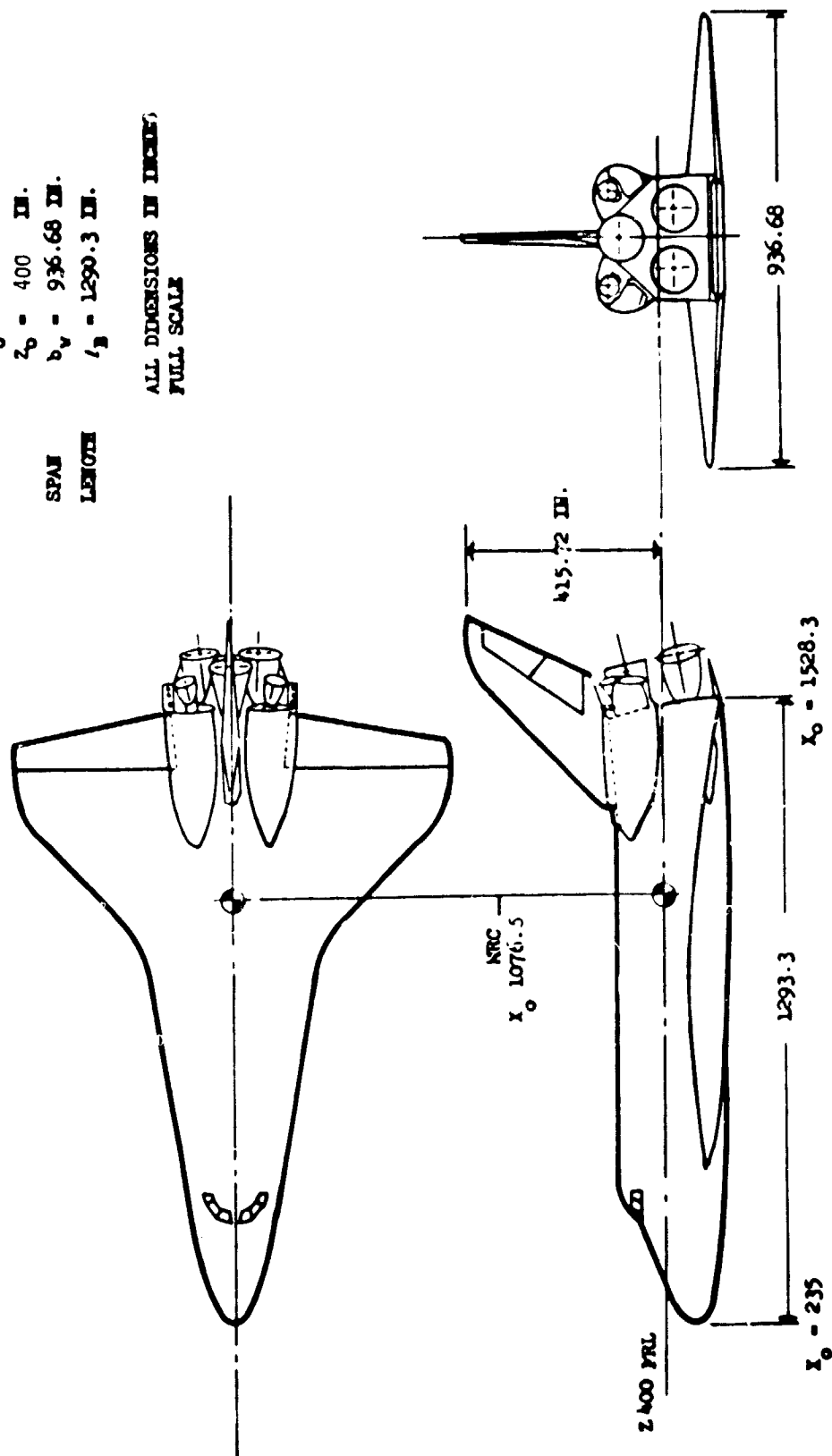


b. Orifice location nomenclature diagram

Figure 1. - Concluded.

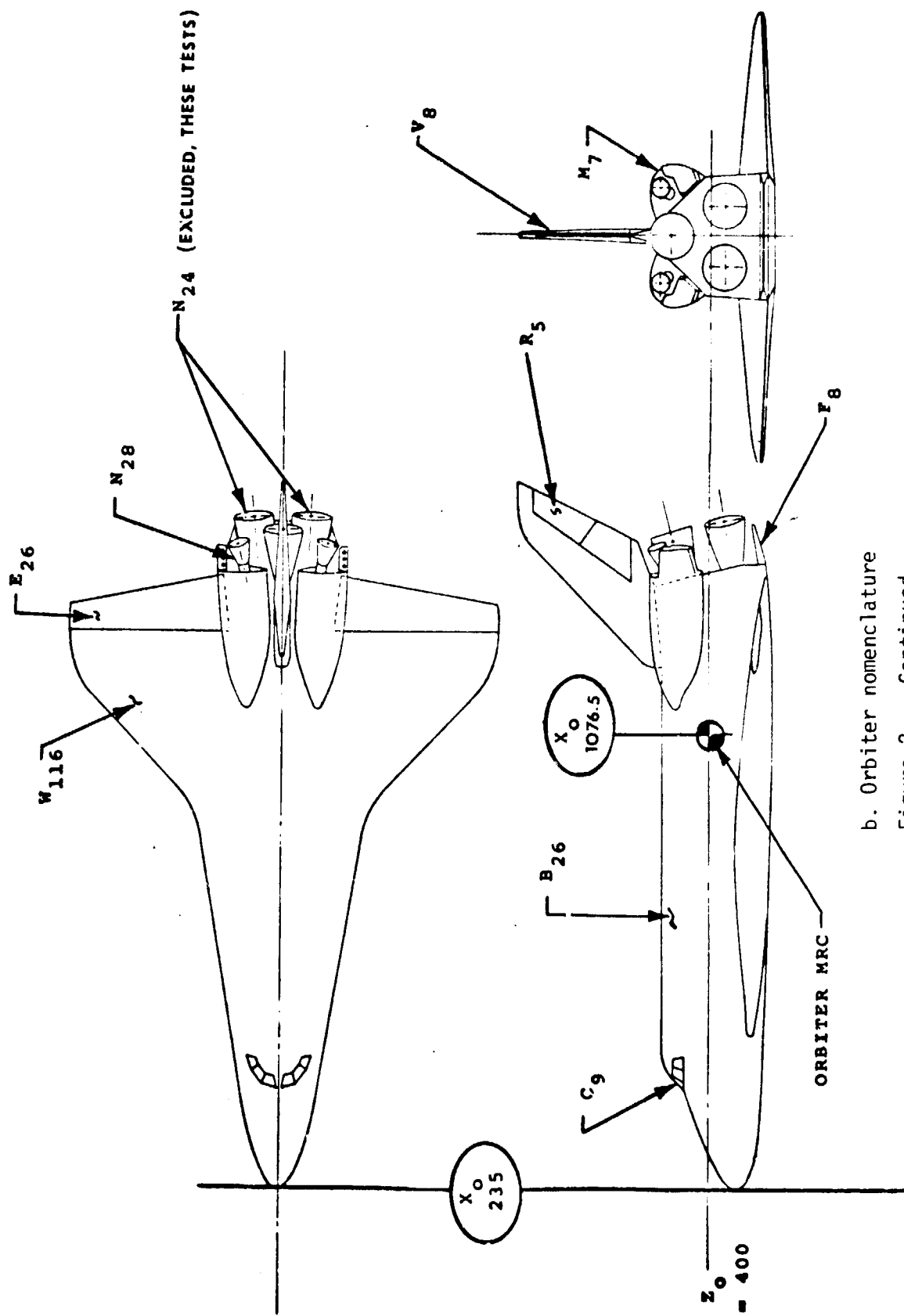
REFERENCE	DIMENSIONS (FS)
AREA	$S_v = 2690 \text{ FT}^2$
MAC	$C = 474.8 \text{ IN.}$
C.G.	$X_o = 1076.5 \text{ IN.}$
	$Z_o = 400 \text{ IN.}$
SPAN	$b_v = 936.68 \text{ IN.}$
LENGTH	$l_3 = 1290.3 \text{ IN.}$

ALL DIMENSIONS IN INCHES/  
FULL SCALE

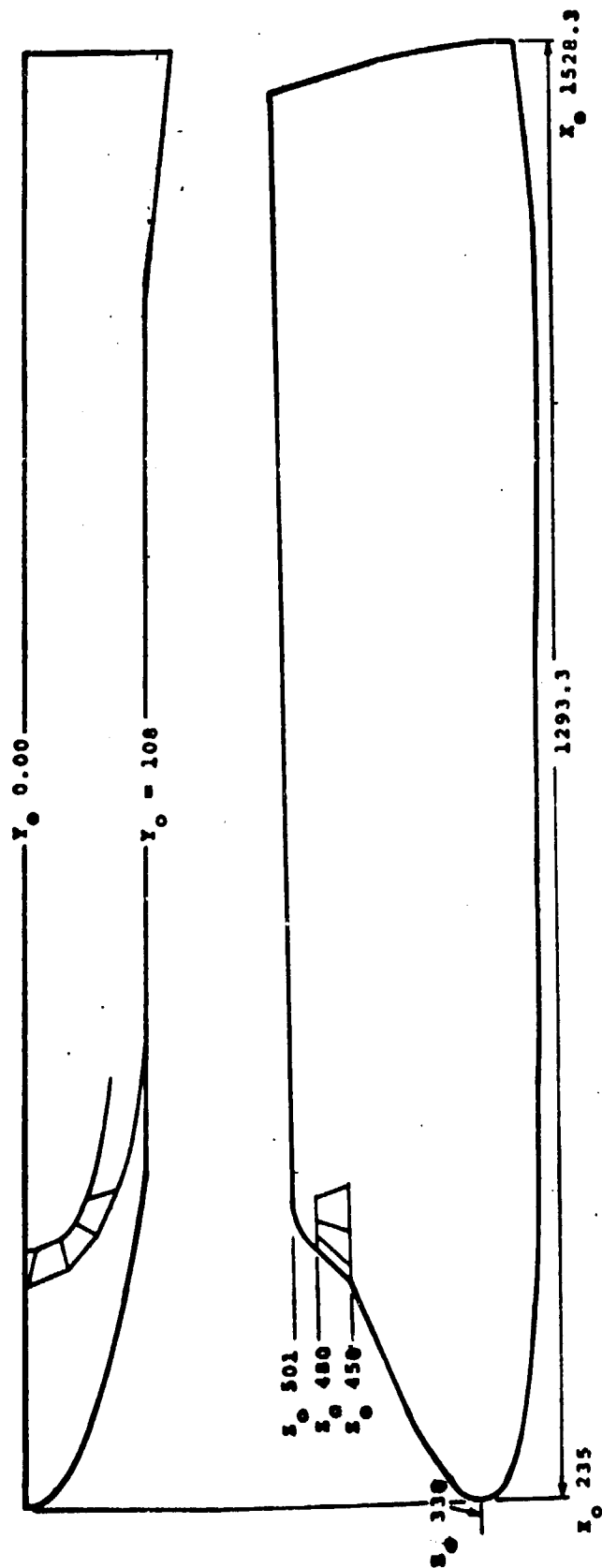


a. SSV Orbiter Configuration 140A/B

Figure 1. - Model sketches

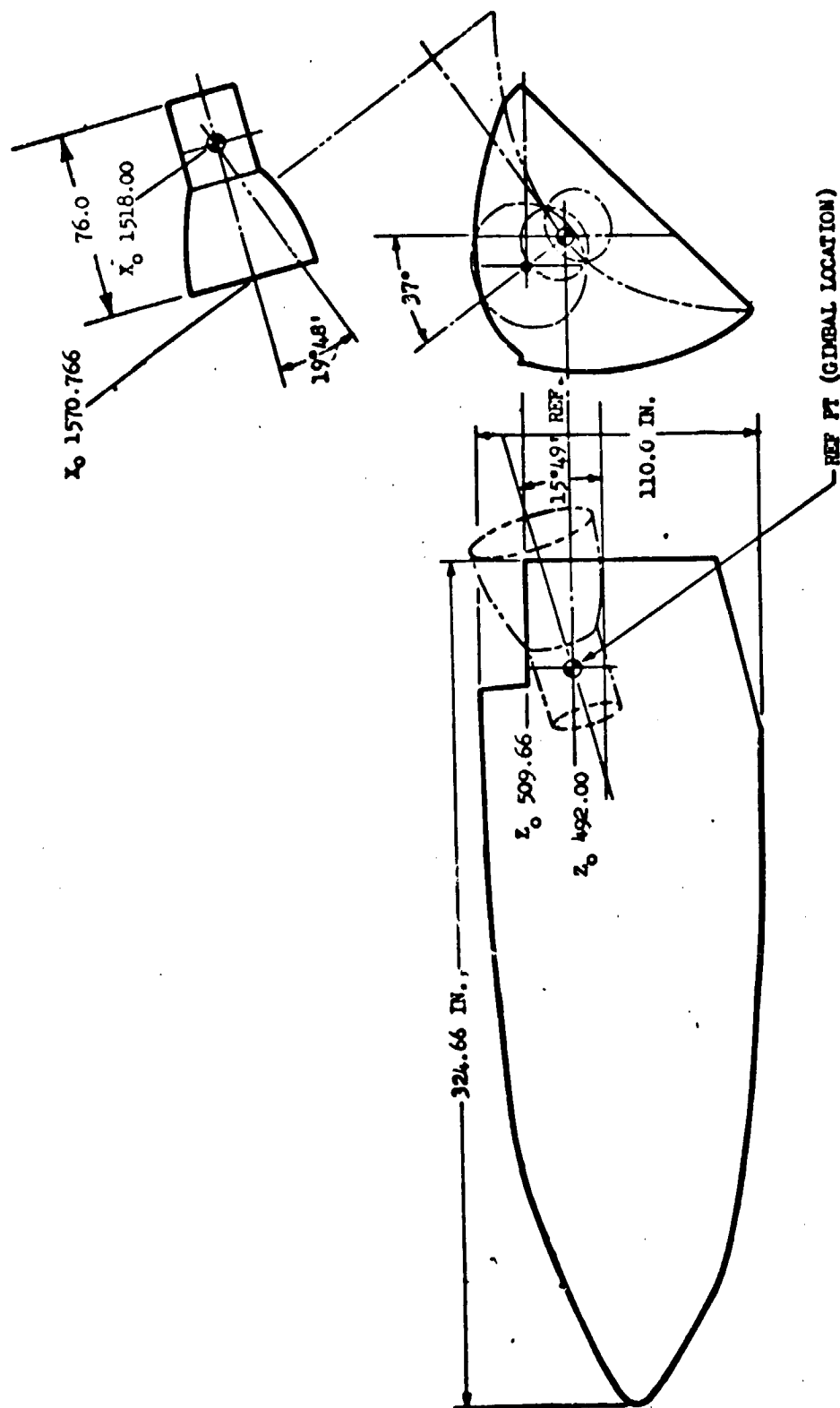


b. Orbiter nomenclature  
Figure 2. - Continued



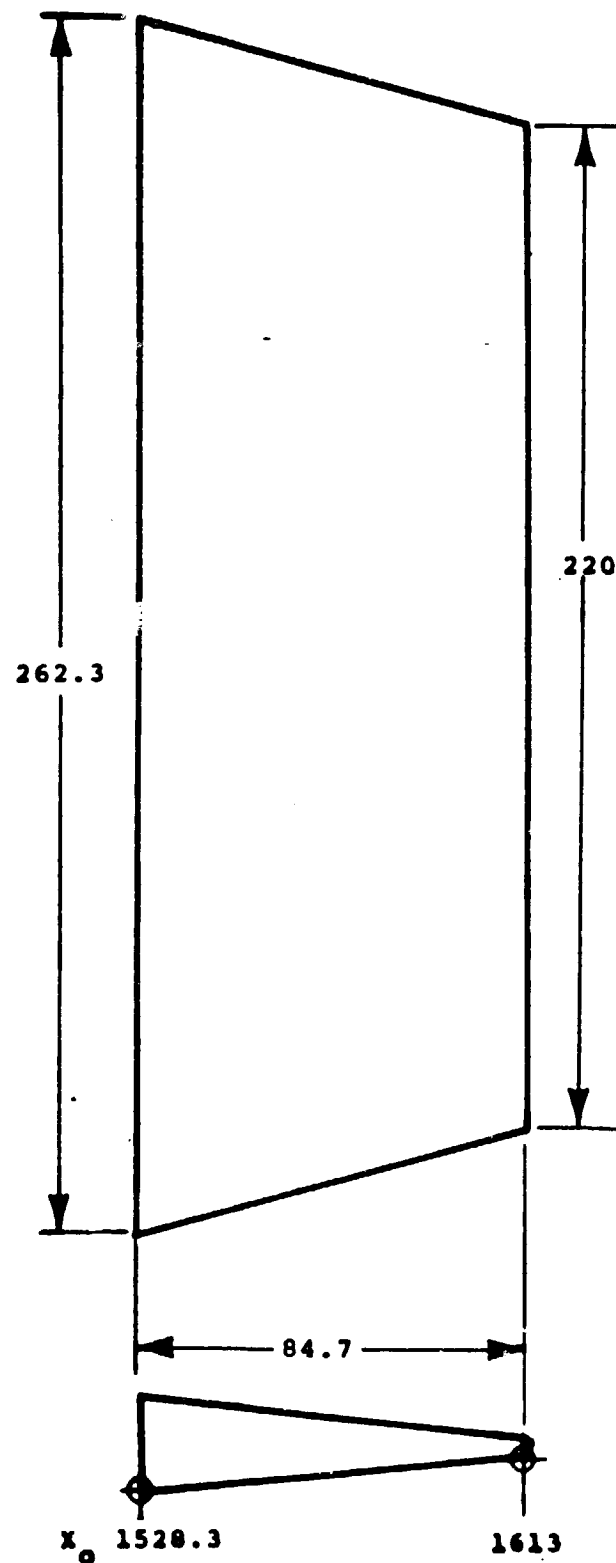
c. Canopy, Cg, and body, B26, lines drawing VL70-000193 and VL70-000140A/B

Figure 2. - Continued



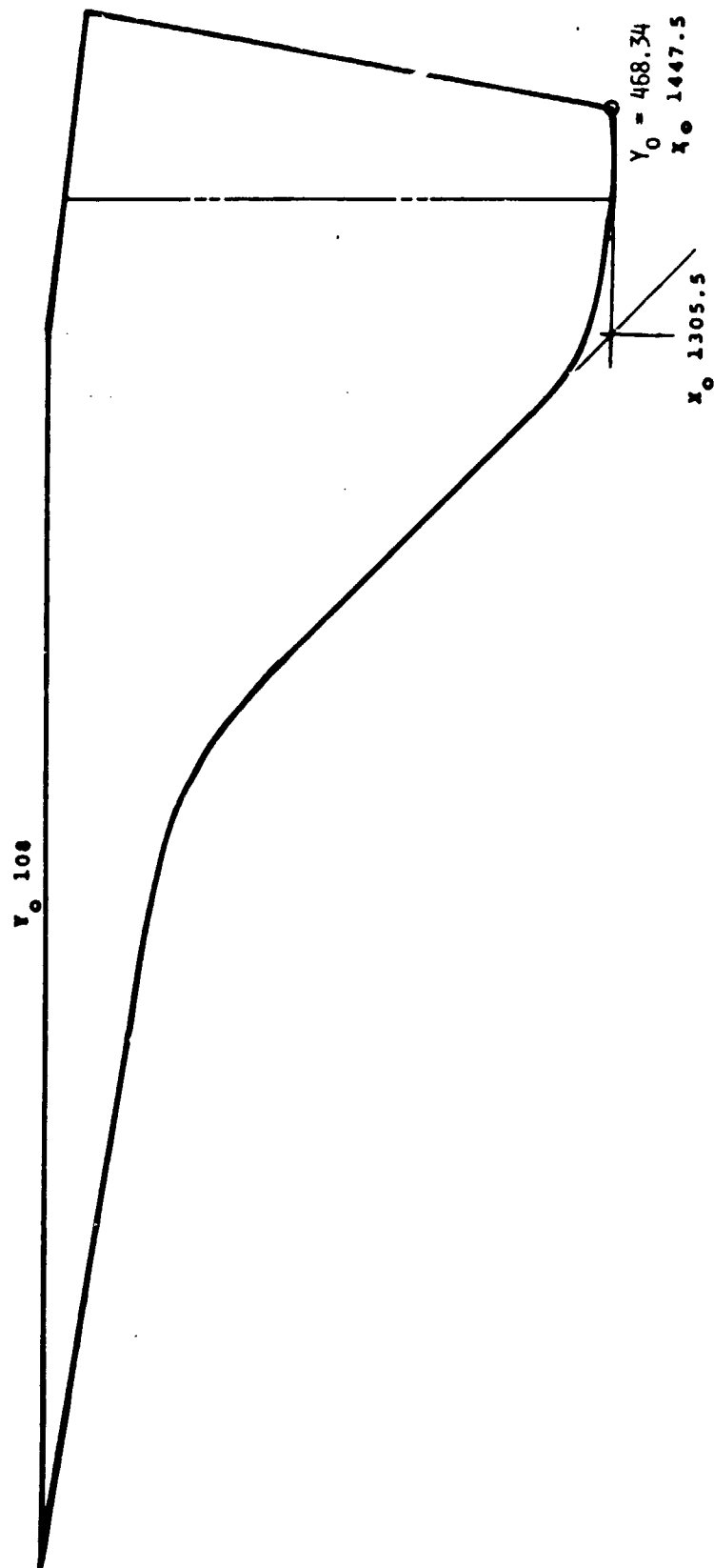
d. M7 - OMS Pod  
Figure 2. - Continued





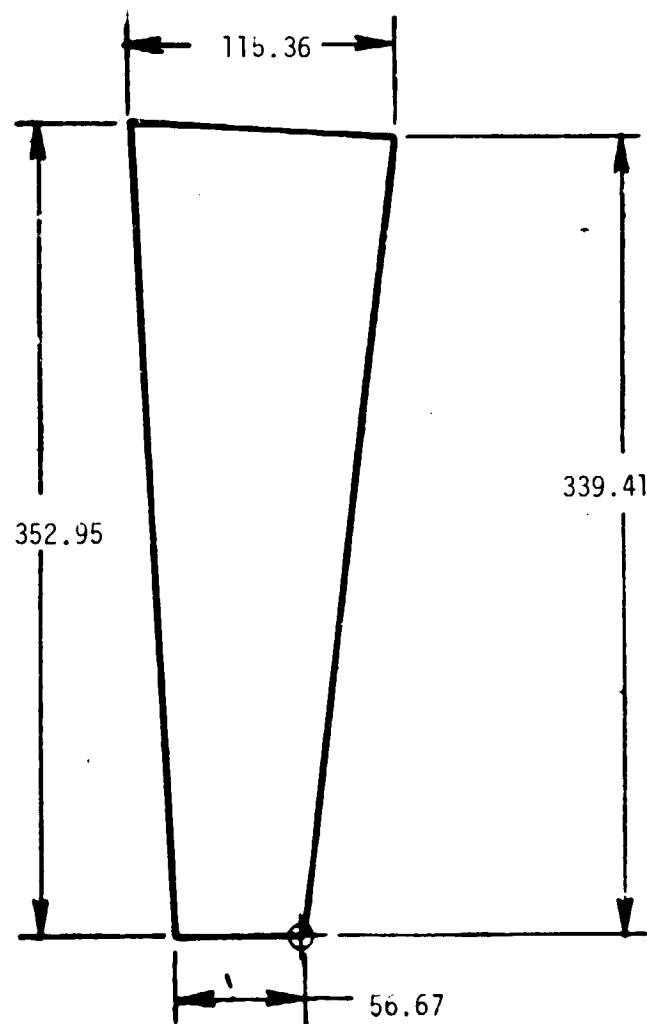
e. Body flap, F<sub>g</sub>, lines drawing VL70-000140A/B

Figure 2. - Continued



f. Wing, W116, lines drawing no. VL70-000200

Figure 2. - Continued



g. Elevon, E<sub>26</sub>, lines drawing VL70-000200, VL70-000140A/B  
Figure 2. - Continued

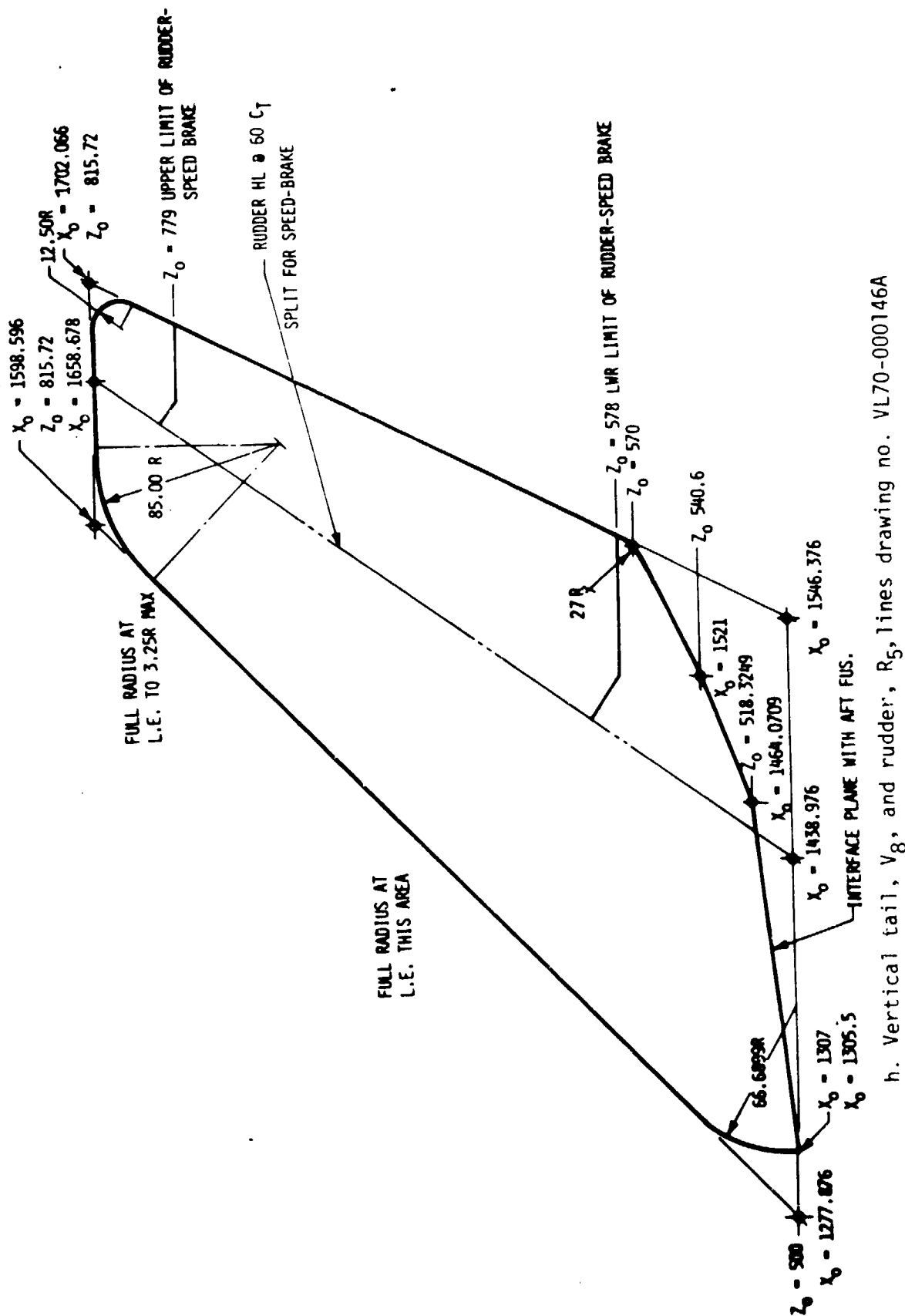
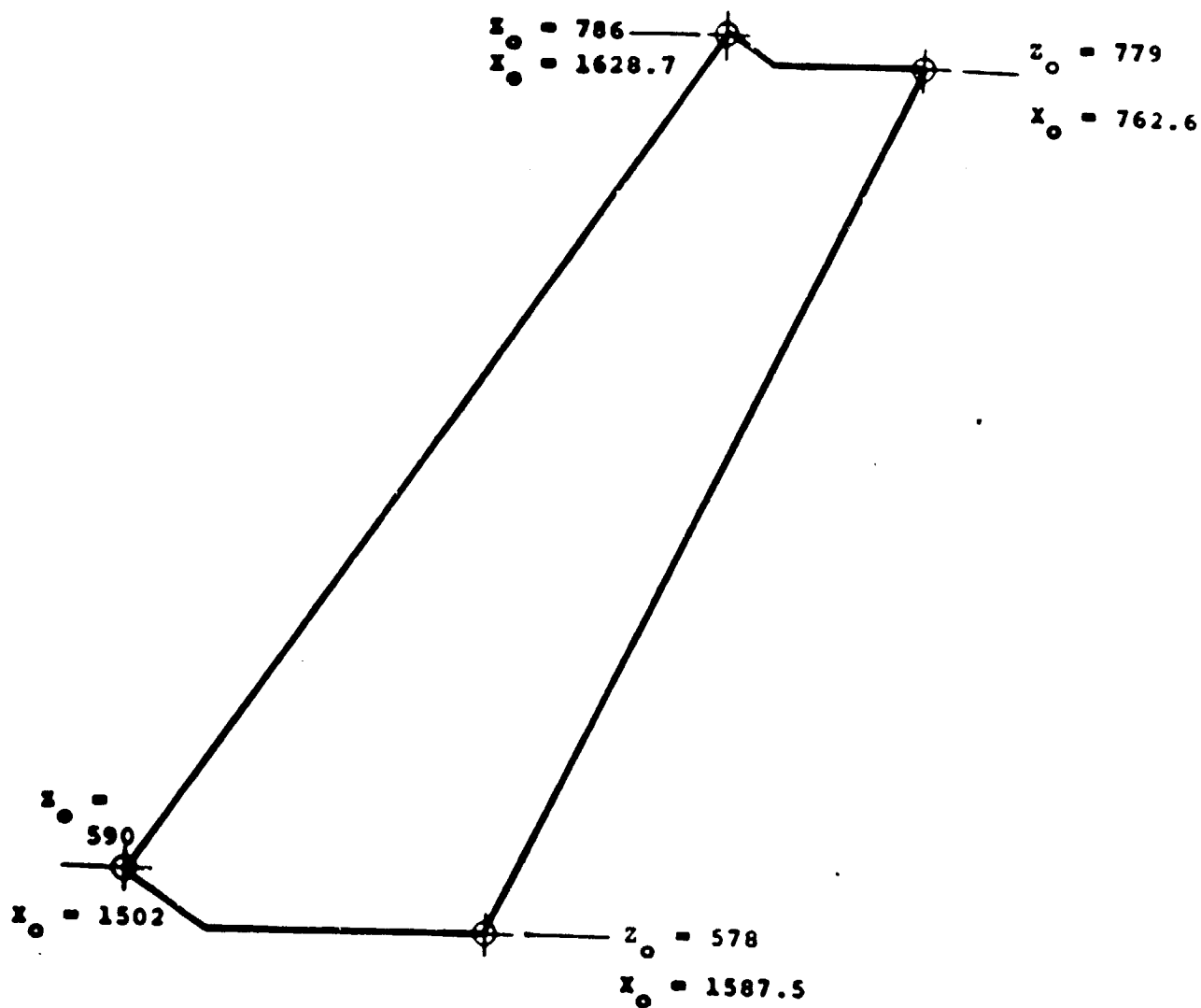


Figure 2. - Continued

h. Vertical tail,  $V_g$ , and rudder,  $R_g$ , lines drawing no. VL70-000146A



i. Rudder, R<sub>5</sub>, lines drawing no. V.70-000095  
 Figure 2. - Concluded

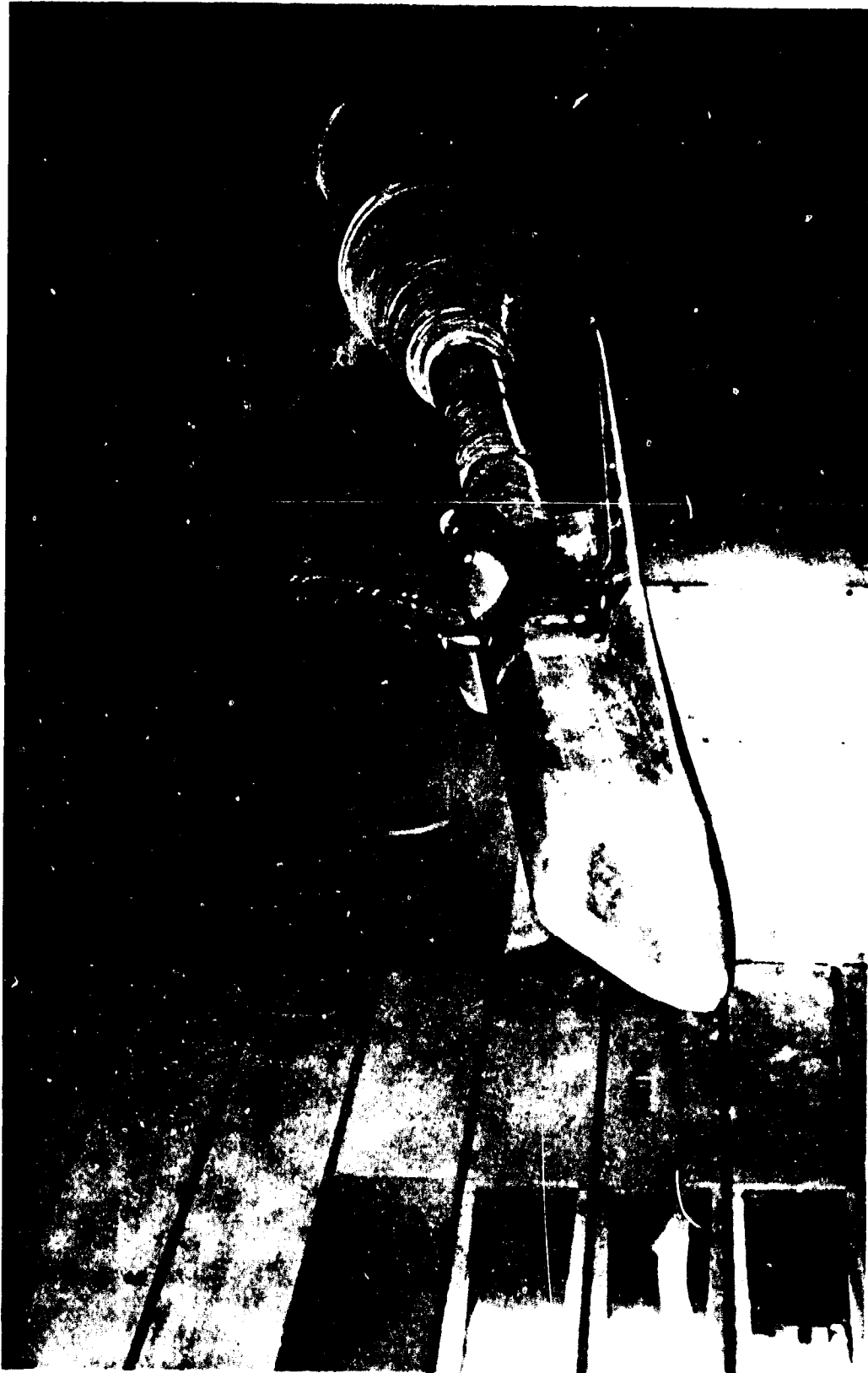


Figure 3 - Model installation photograph

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DATA FIGURES  
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AVES 11-016 0A224 326 09 F8 W7 N28 V8R5 W116 E26 (RB2001)

SYMBOL  
C

MACH  
.597  
.907

PARAMETRIC VALUES  
BETA .000 ELEVON .000  
RUDDER .000 SPOILER .000

REFERENCE INFORMATION  
SREF 2.4210 SQ.FT.  
LREF 38.7080  
BREF 38.7050  
XUGO 25.5420  
YUGO .0000  
VUGO .0000  
SCALE .0300

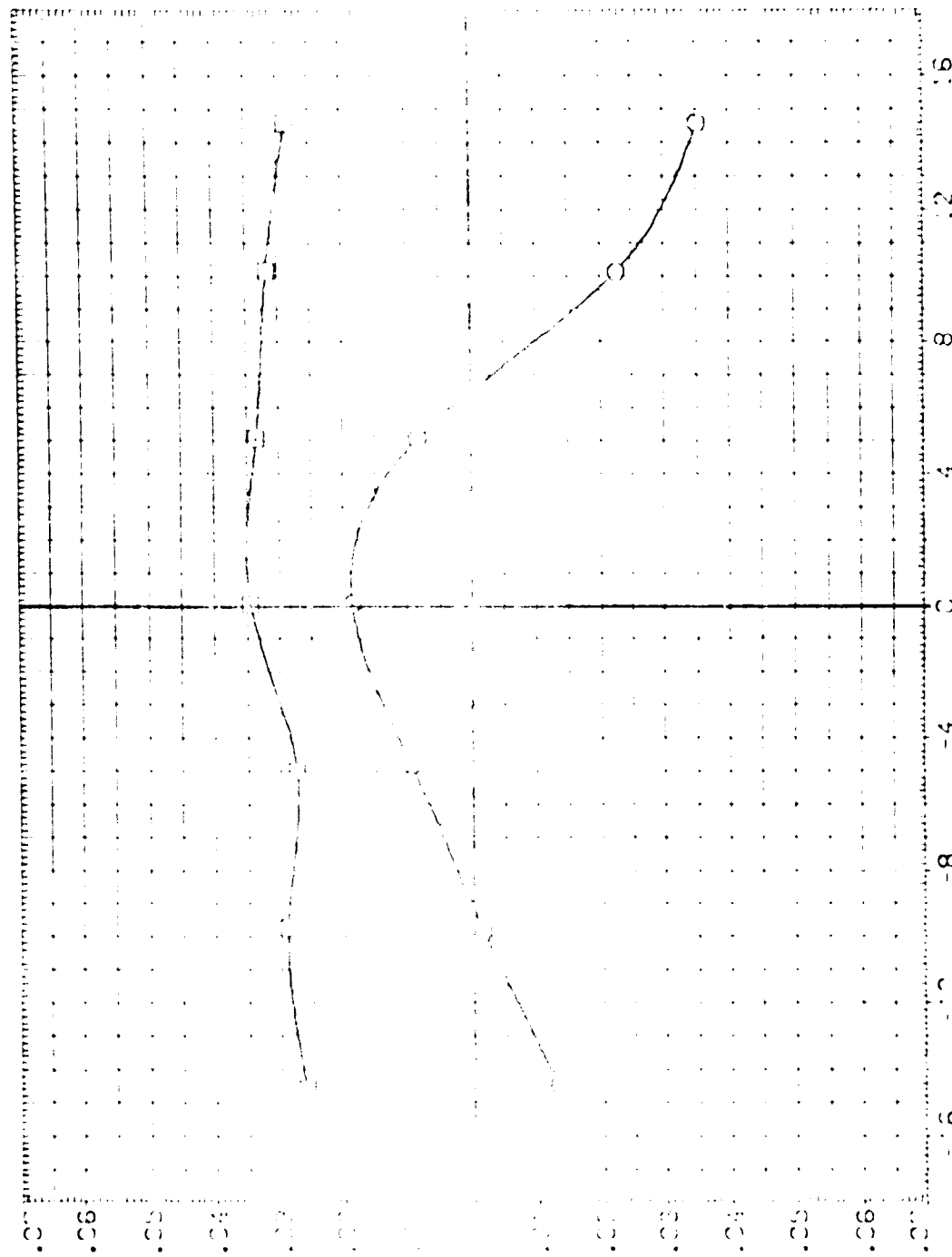


FIG. 4 326 09 F8 W7 N28 V8 R5 W116 E26 , BETA = 0 , ELEVON = 0

AMES 11-7'6 CA22A 326 C9 F8 W7 N28 V8R5 W116 E26(RB2001)

SYMBOL

MAG: .50  
1.00

BETA: 2.00E-1

PARAMETRIC VALUES  
1.000 ELEVON  
1.000 SPOON

.000  
.000

REFERENCE INFORMATION:

SREF 2.4210 50. FT.  
LREF 36.7090  
BREF 36.7090  
XMRP 25.5120  
YMRP .0000  
ZMRP .0000  
SCALE .0000

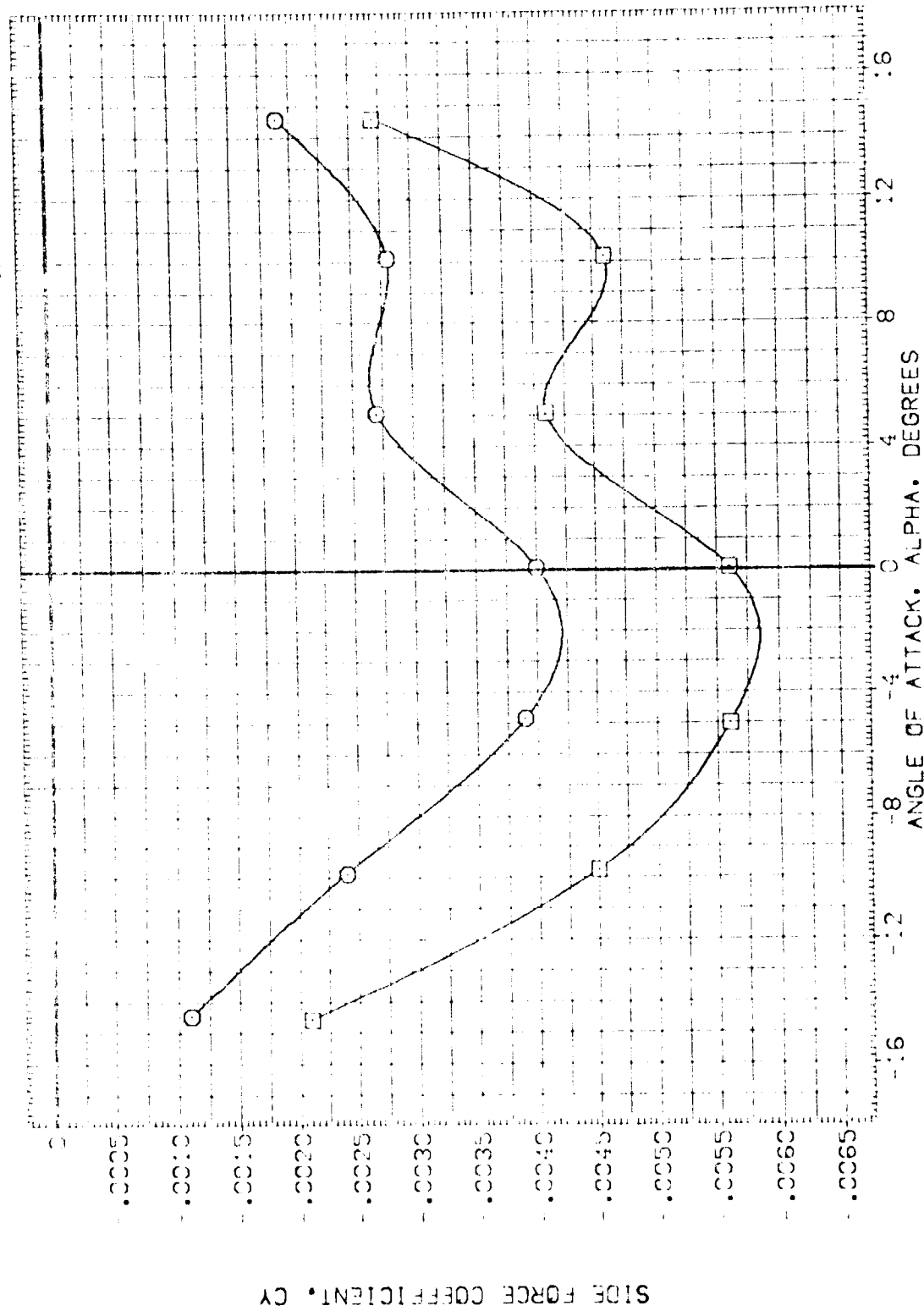


FIG. 4 326 C9 F8 W7 N28 V8 R5 W116 E26 • BETA = 0 • ELEVON = 0

AVES 11-716 CA22A B26 C9 F8 M7 N28 V8R5 W116 E26(R32001)

REFERENCE INFORMATION:  
 SREF 2.4210 SQ.FT.  
 LREF 38.7090  
 BREF 38.7090  
 XMRP 25.5420  
 YMRP .0000  
 ZMRP .0000  
 SCALE .0300

PARAMETRIC VALUES  
 MACH .597  
 BETA .000  
 RUDDER .000  
 ELEVON .000  
 SPOBRK .000

SYMBOL  
 ○  
 □

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

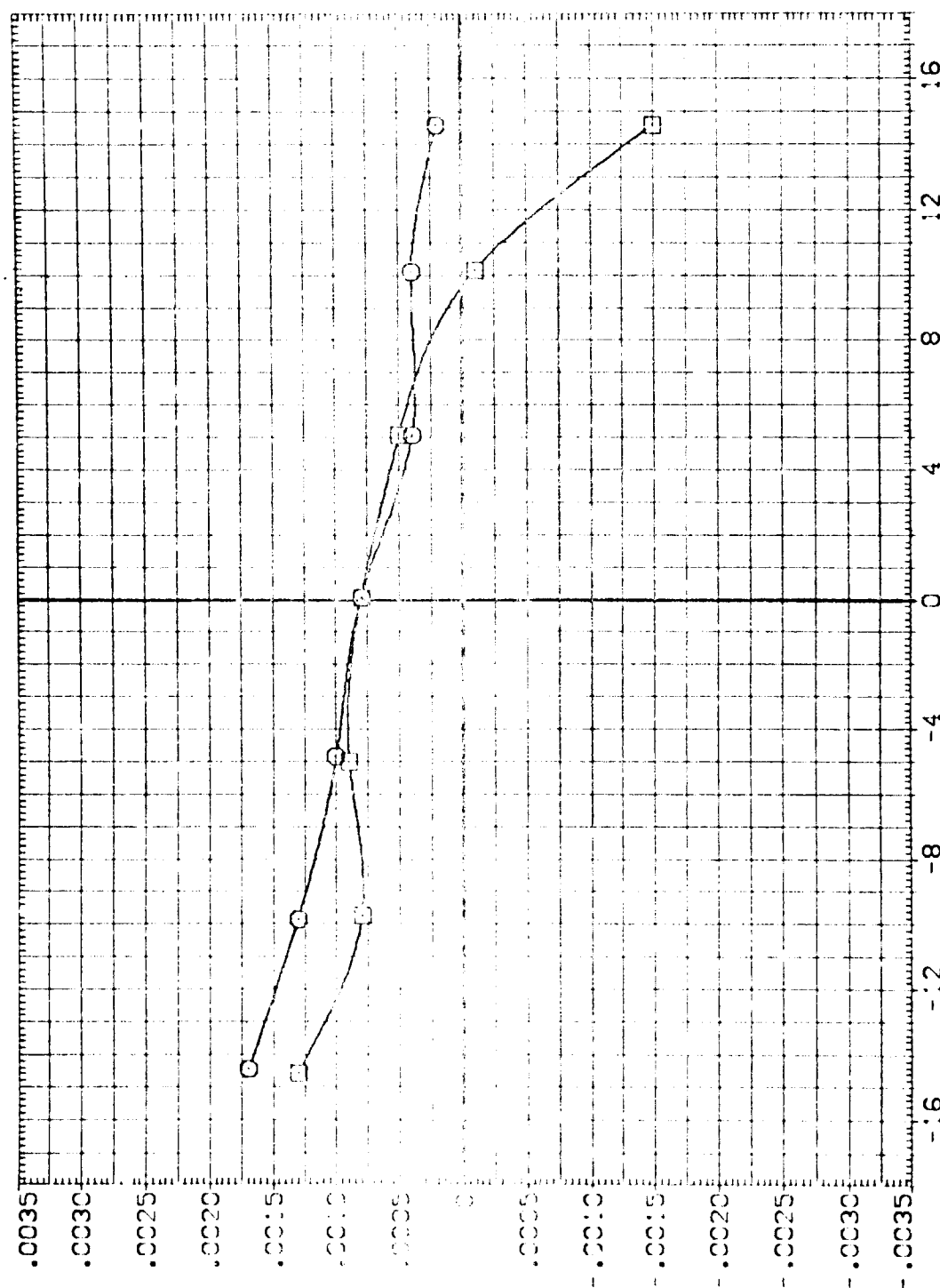


FIG. 4 B26 C9 F8 M7 N28 V8 R5 W116 E26, BETA = 0, ELEVON = 0

AVES 11-716 CA22A 326 C9 F8 M7 N28 V8R5 W116 E26 (RB2001)

SYMBOL

WAC

55°

90°

BT

PARAM-RIC VALUES

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AMES 11-716 CA22A B26 C9 F8 M7 N28 V8R5 W116 E26 (P32001)

SYMBOL  
O

MACH .597  
.902

BETA .000  
RPOOR .000

PARAMETRIC VALUES  
ELEVON .000  
SPDRK .000

REFERENCE INFORMATION  
SREF 2.421C  
LREF 38.709C  
BREF 38.709C  
XVPO 25.542C  
YVPO .000C  
ZVPO .000C  
SCALE .0300

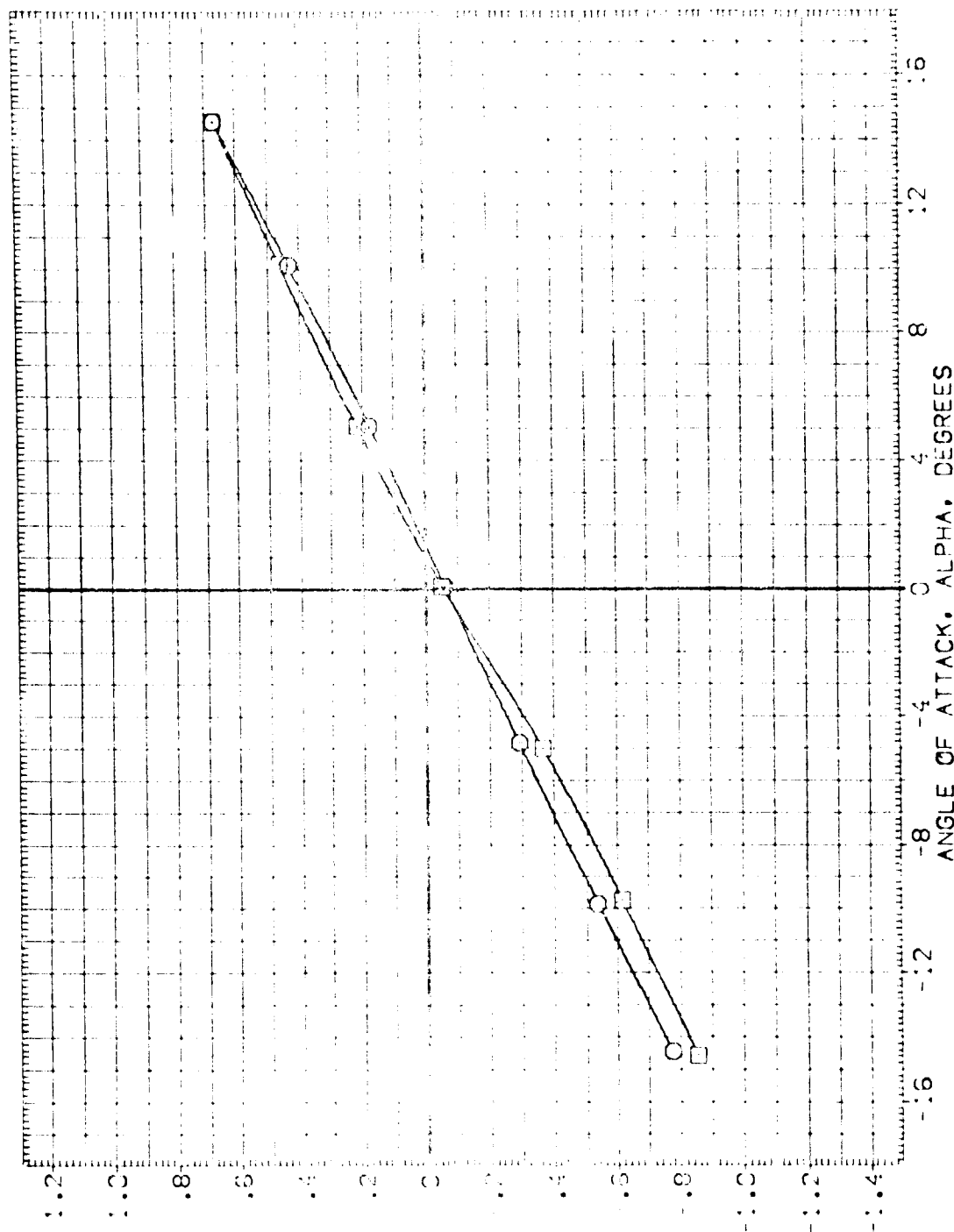


FIG. 4 B26 C9 F8 M7 N28 V8 R5 W116 E26 , BETA = 0 , ELEVON = 0



AMES 11-716 GA22A 326 C9 F8 W7 N28 V8R5 W116 E26 (R82001)

SYMBOL

MACH

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.75  
1.00

BETA

0.000

PARAMETRIC VALUES

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ELEVON

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PARAMETRIC VALUES

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REFERENCE INFORMATION

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DRAG COEFFICIENT, CD



FIG. 4 326 C9 F8 W7 N28 V8 R5 W116 E26 • BETA = 0 • ELEVON = 0



AVES 11-716 CA22A B26 C9 F8 M7 N28 V8R5 W116 E26(RB20C5)

SYMBOL

MACH .598  
.904

BETA  
RUDER

PARAMETRIC VALUES  
.000 ELEVON  
.000 SPOBRK

REFERENCE INFORMATION  
SREF 2.4210 SQ.FT.  
LREF 38.7090  
BREF 38.7090  
VREF 25.5420  
WREF .0000  
ZREF .0000  
SCALE .0300



FIG. 5 B26 C9 F8 M7 N28 V8 R5 W116 E26 , BETA = 0 , ELEVON = -20



AVES 1.1716 24224 326 09 18 WT 128 V825 W116 E26 (R22005)

SYMBOL

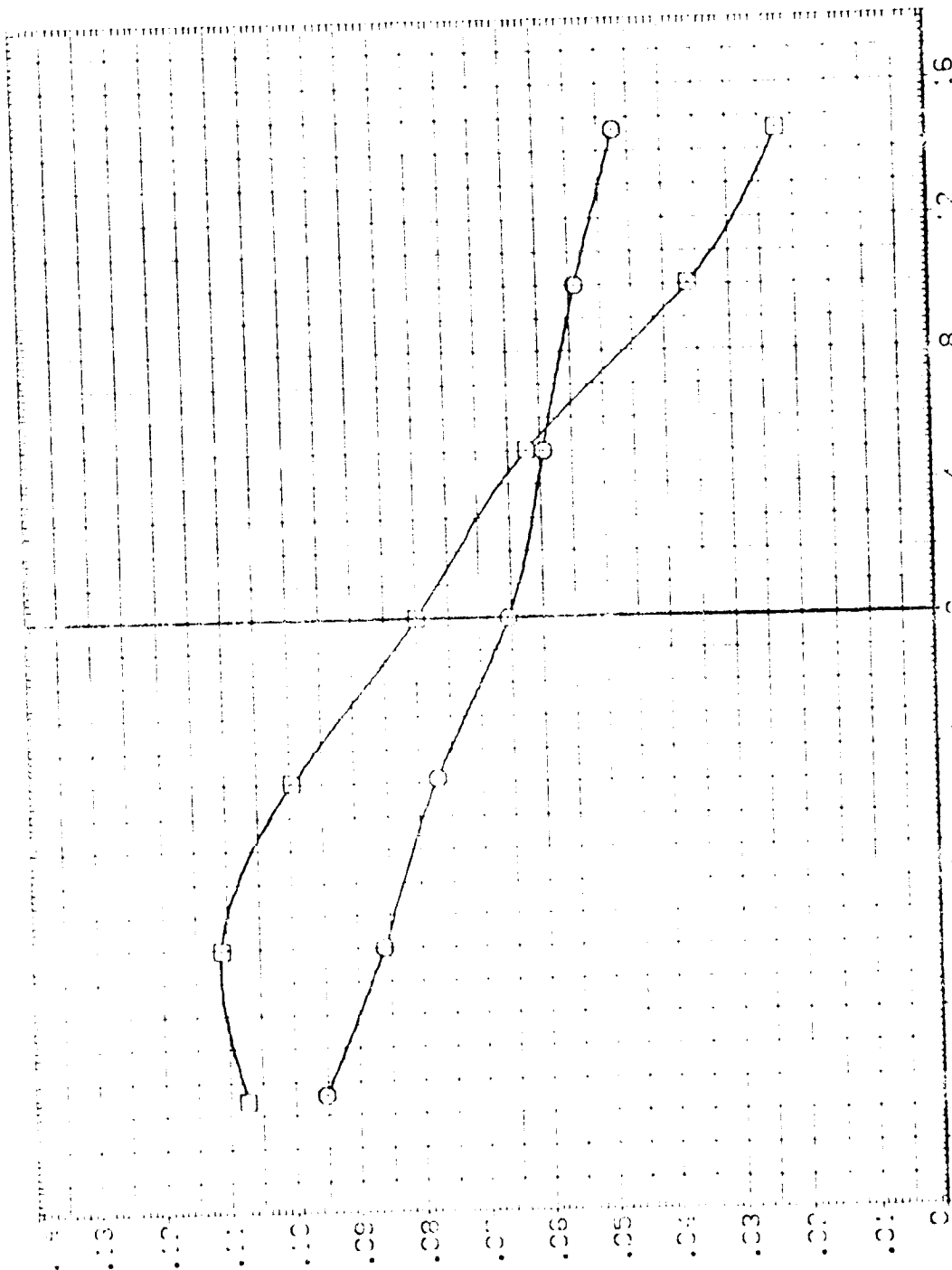
MACH .500  
SE 2.000

PARAMETER VALUES  
1.000 1.000 1.000

-20.000  
1.000

REFERENCE INFORMATION

SPEC 2.4210  
QPC 38.7000  
SPE 38.7000  
V825 38.7000  
W116 38.7000  
E26 38.7000  
SCALE 1.0000



PITCHING MOMENT COEFFICIENT, CLM

ANGLE OF ATTACK, ALPHA, DEGREES

FIG. 5 326 09 18 WT 128 V825 W116 E26 • BETA = 0 • ELEVON = -20

PAGE 11

AVES 11-716 CA22A 326 C9 F8 W7 N28 V8 R5 W16 E26 (R82005)

SYMBOL

MACH  
1.598  
1.904

BETA  
FLUDER

PARAMETRIC VALUES  
.000 ELEVON  
.000 SPOBRK

-20.000  
.000

REFERENCE INFORMATION  
SREF 2.42.0 SQ.FT.  
LREF 38.0090  
BREF 38.0090  
VREF 25.5400  
WREF 1.0000  
TREF 1.0000  
SCALE 1.0000

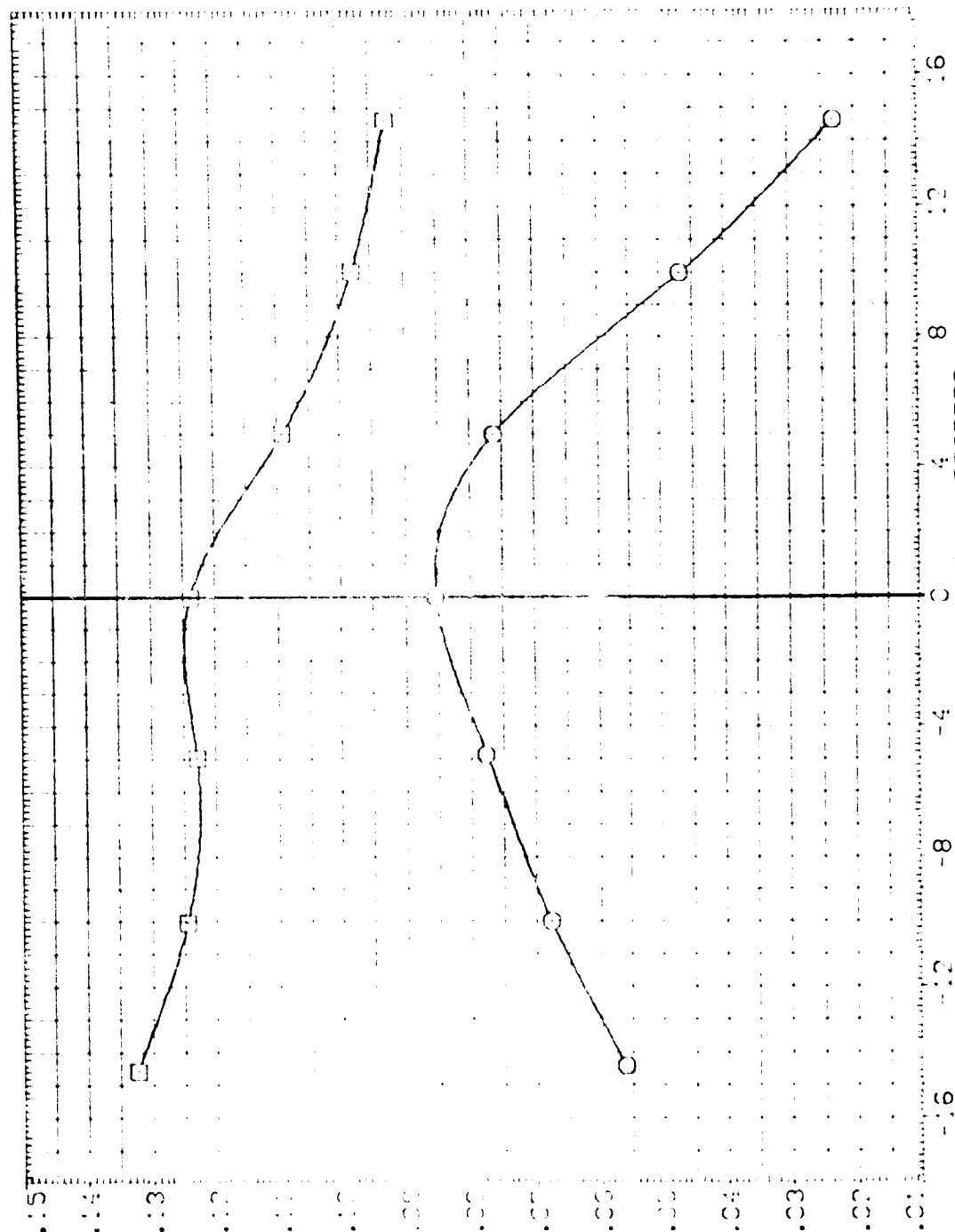


FIG. 5 326 C9 F8 W7 N28 V8 R5 W16 E26 • BETA = 0 • ELEVON = -20



STOR 1000 00 1000 00 1000 00

AMS 11-016 CA22A 326 C9 F8 M7 N28 V8 R5 W116 E26 (R32005)

SYMBOL

WAVE  
1.598  
1.904

BETA  
R-DOOR

PARAMETRIC VALUES  
.000 ELEVON  
.000 SPDRK

-20.000  
.000

REFERENCE INFORMATION  
SREF 2.4210 SQ. FT.  
LREF 38.7050  
BREF 38.7050  
XREF 25.5470  
YREF .0000  
ZREF .0000  
SCALE .0000

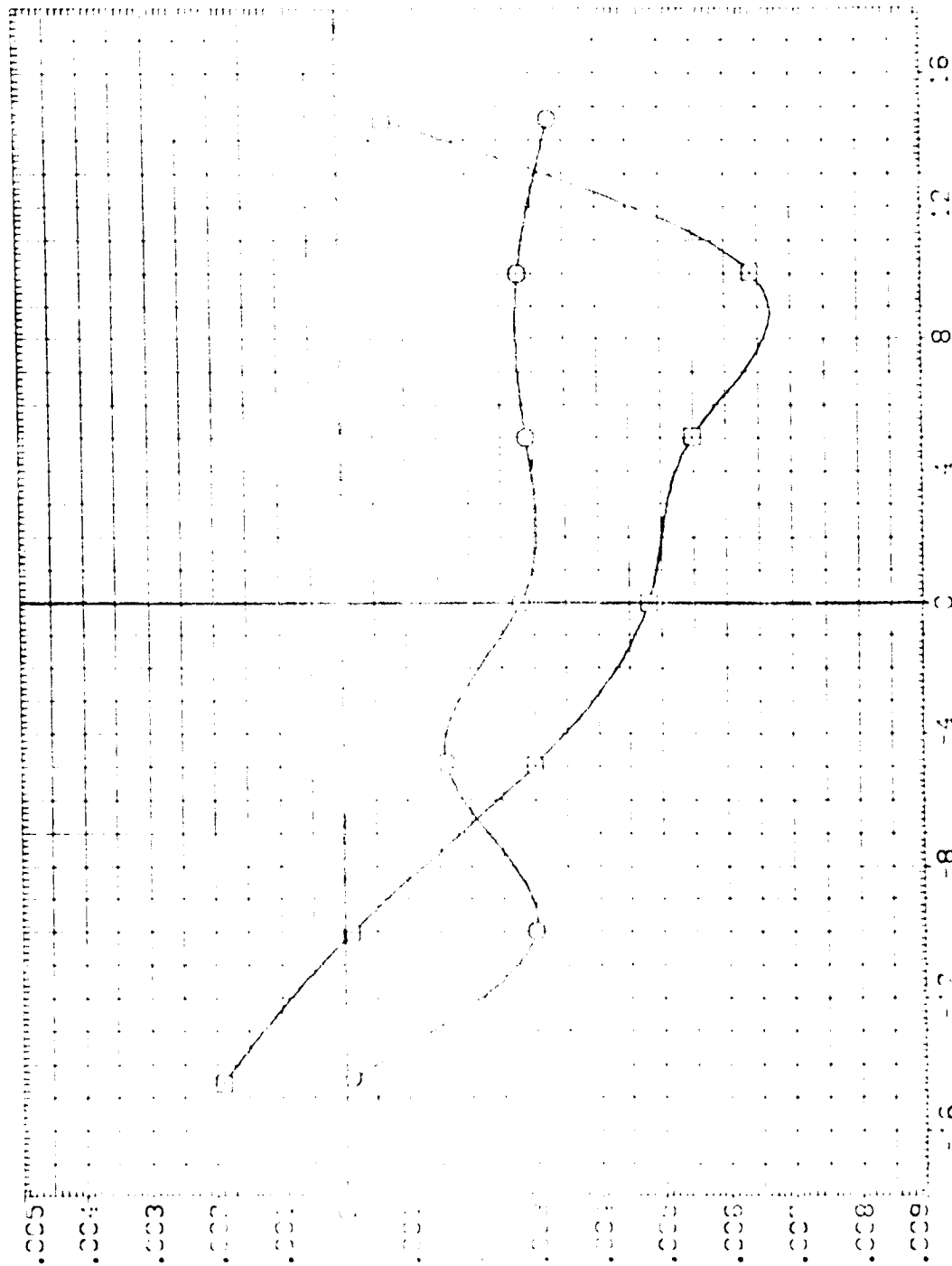


FIG. 5 326 C9 F8 M7 N28 V8 R5 W116 E26, BETA = 0, ELEVON = -20

FIG. 5 326 09 18 W 128 18 25 A 116 E26 1835 A 116 E26 (P32005)

SYNOPSIS

DATE: 1964  
TIME: 1800  
LOCATION: 326 09 18 W 128 18 25 A 116 E26  
SCALE: 1:1000

REFERENCE INFORMATION

SPEC: 326 09 18 W 128 18 25 A 116 E26  
SCALE: 1:1000  
DATE: 1964  
TIME: 1800  
LOCATION: 326 09 18 W 128 18 25 A 116 E26

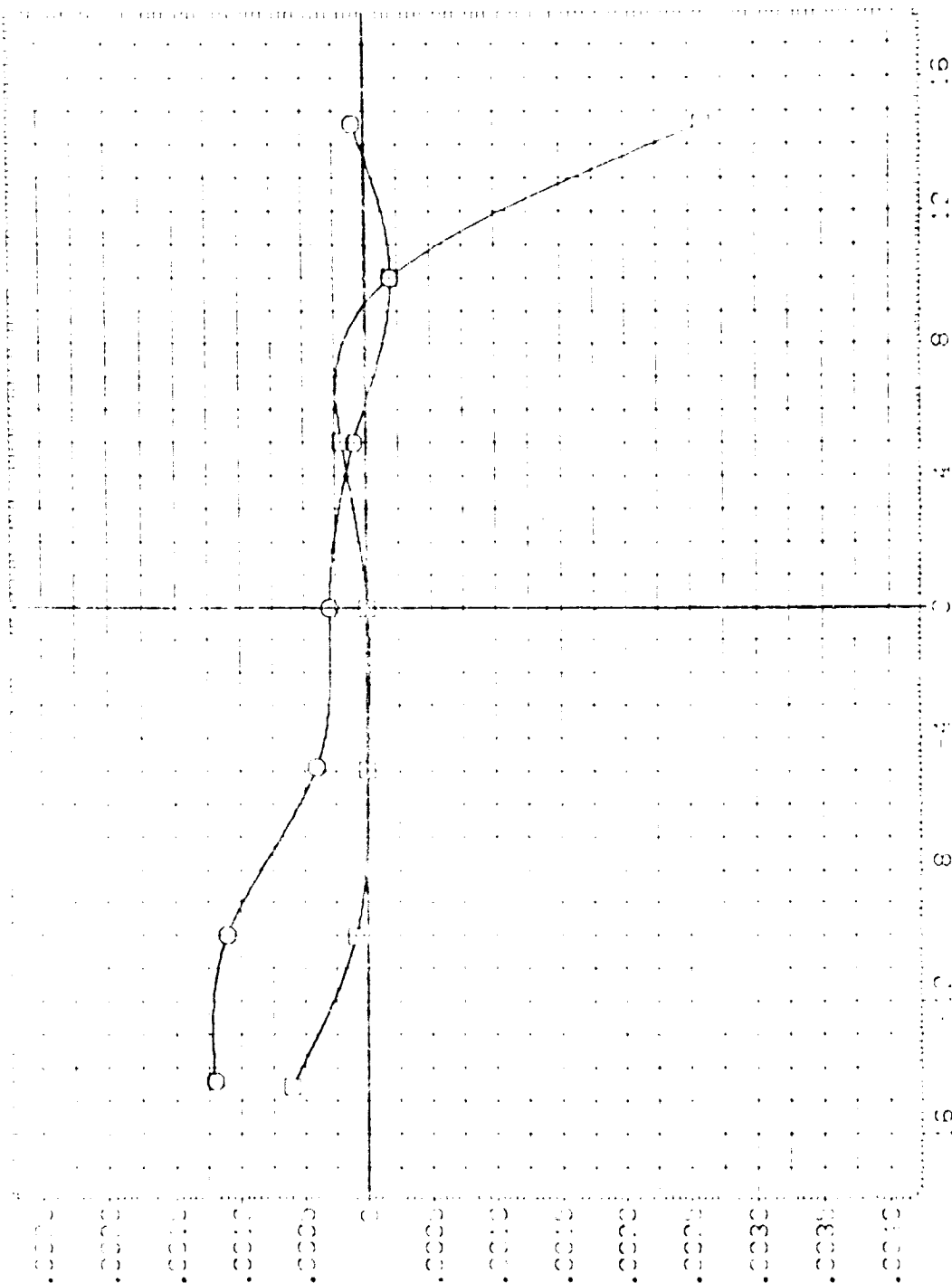


FIG. 5 326 09 18 W 128 18 25 A 116 E26 1835 A 116 E26 (P32005)

AVES 11-716 0122A 326 09 F8 W7 N28 18 R5 A116 E26 (R32005)

SYMBOL MACH BETA RUDDER PARAMETRIC VALUES ELEVON SPOILER

REFERENCE INFORMATION SQ.FT.

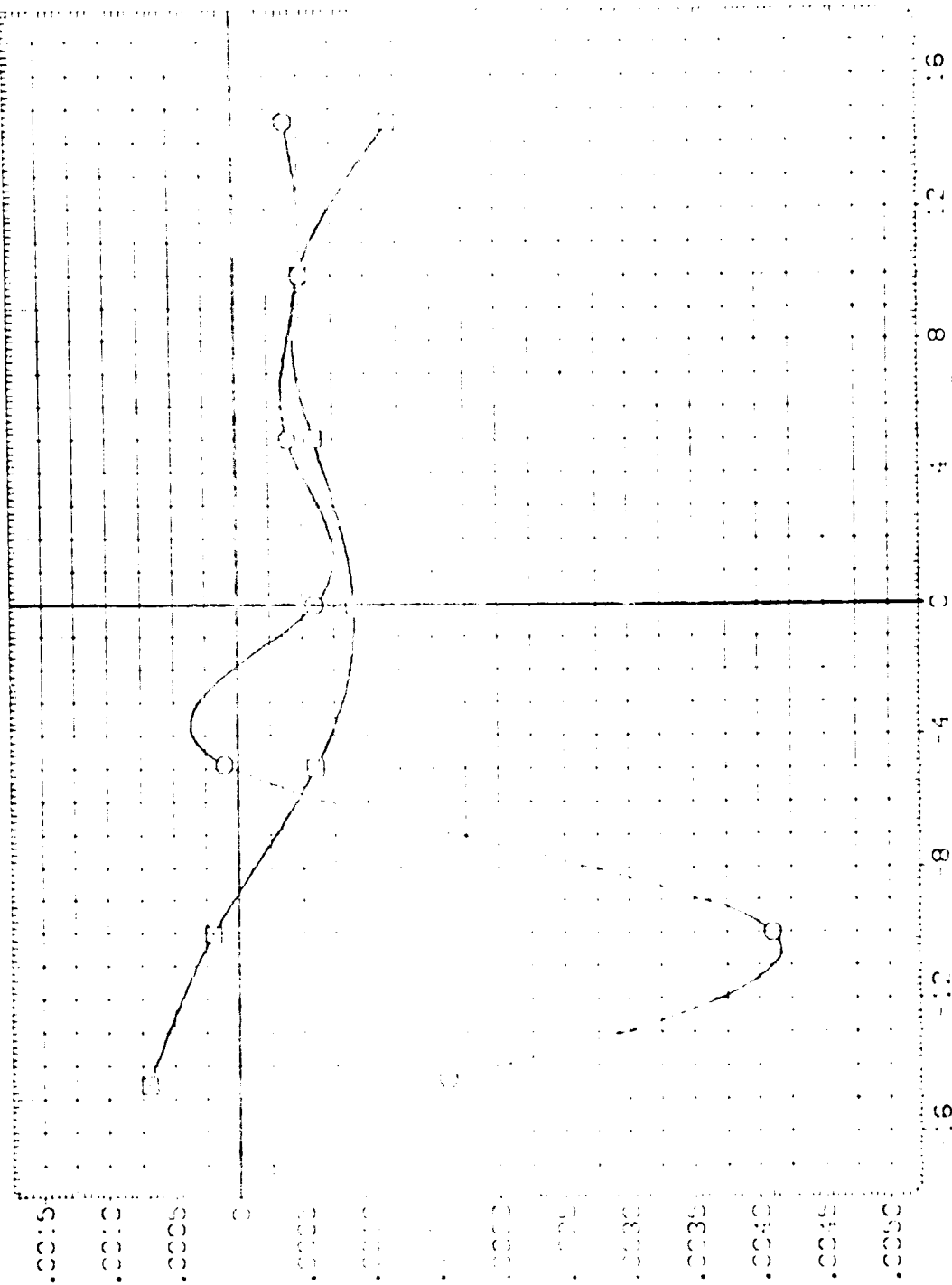


FIG. 5 326 09 F8 W7 N28 18 R5 A116 E26 • BETA = 0 • ELEVON = -20







AMES 11-118 0422A 326 C9 F8 M7 N28 V8R5 W116 E26 (R82009)

REFERENCE INFORMATION  
 SIZE 2.4210  
 REF 38.7090  
 BREF 38.7090  
 ZREF 29.5420  
 YREF .0000  
 ZREF .0000  
 SCALE .0300

SYMBOL MACH ALPHA PARAMETRIC VALUES  
 ( ) .800 .000 .000  
 ( ) .895 .000000 -16.0000 SP033A  
 ( ) .000 .000 .000

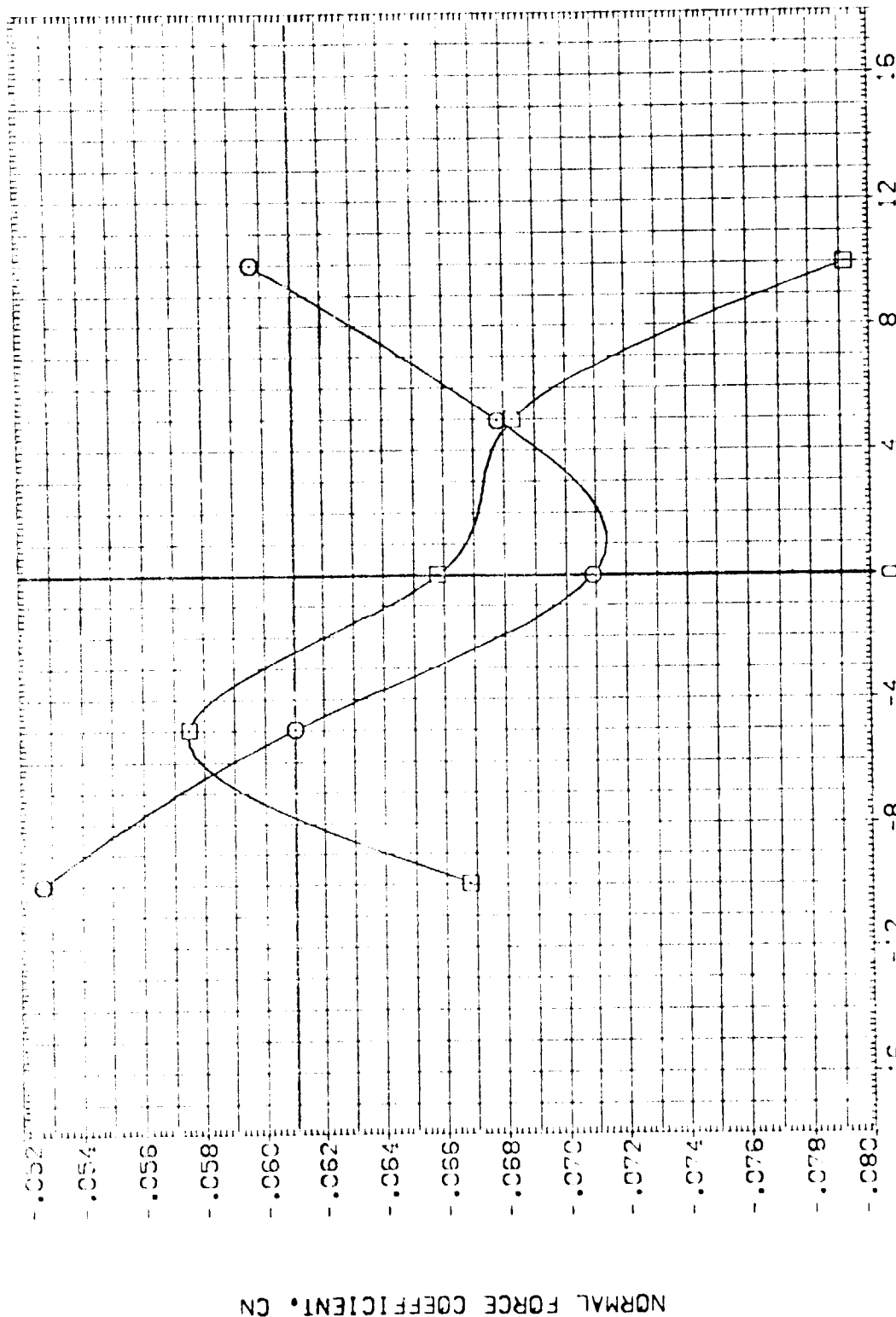


FIG. 6 326 C9 F8 M7 N28 V8 R5 W116 E26 , ALPHA = 0 , RUDDER = -10



AMES 11-716 CA22A 326 C9 F8 M7 N28 V8R5 W116 E26(RB2009)

SYMBOL  
110

MACH .600  
.899  
ALPHA .000  
RUDDER -10.000  
ELEVON .000  
SPDRM .000

PARAMETRIC VALUES

REFERENCE INFORMATION  
SREF 2.4210  
LREF 38.7090  
BREF 38.7090  
XPRP 25.5420  
YPRP .0000  
ZPRP .0000  
SCALE .0300

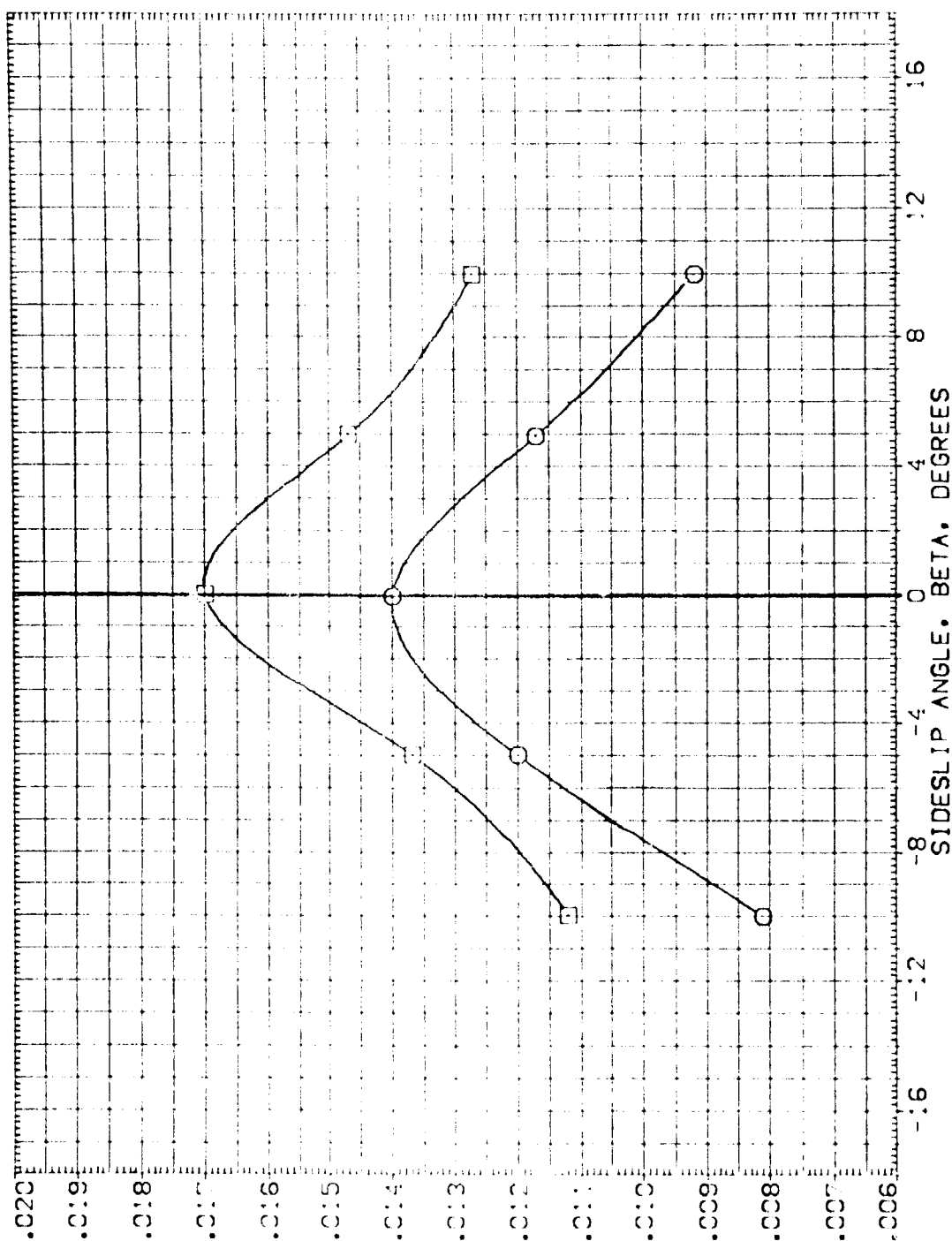


FIG. 6 B26 C9 F8 M7 N28 V8 R5 W116 E26 , ALPHA = 0 , RUDDER = -10

AMES 11-016 0A22A 326 C9 F8 M7 N28 V8R5 W116 E26 (RB2009)

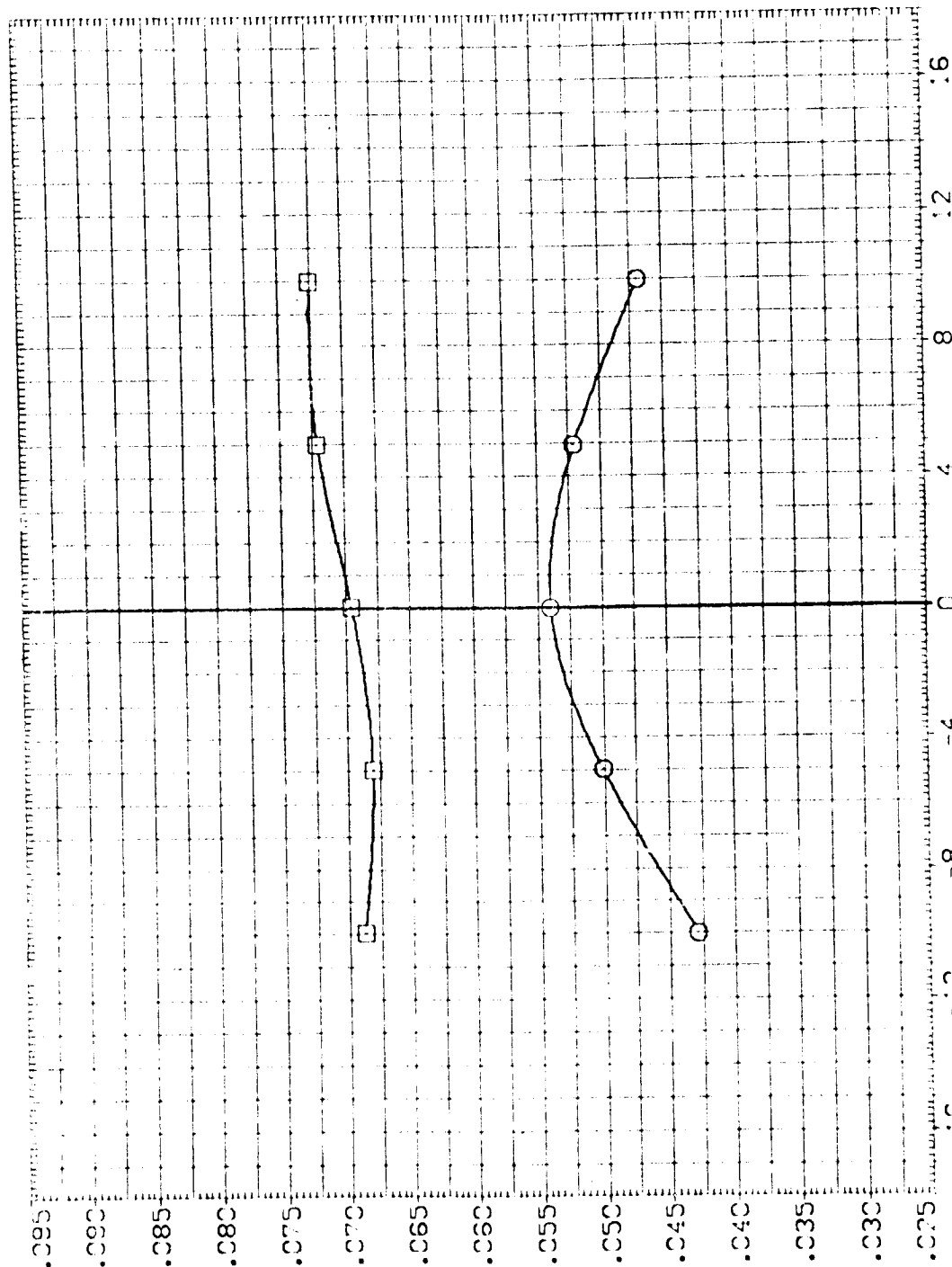
SYMBOL

WING .500  
 .898  
 ALPHA .000  
 RUDDER -10.000  
 ELEVON .000  
 SPOON .000

PARAMETRIC VALUES

SREF  
 PRE  
 BREF  
 XMRP  
 YMRP  
 ZMRP  
 SCALE

REFERENCE INFORMATION  
 SCALING  
 2.4210  
 38.7000  
 38.7000  
 25.5420  
 .0000  
 .0000  
 .0300



AXIAL FORCE COEFFICIENT, CA

FIG. 6 826 C9 F8 M7 N28 V8 R5 W116 E26, ALPHA = 0, RUDDER = -10

AMES 11-716 CA22A B26 C9 F8 M7 N28 V8R5 W116 E26(RB2009)

SYMBOL  
O

MACH .600  
.899

PARAMETRIC VALUES  
ALPHA .000 ELEVEN .000  
RUDDER -10.000 SPDRK .000

REFERENCE INFORMATION  
SREF 2.4210 SQ.FT.  
LREF 38.7090  
BREF 38.7090  
XMRP 25.5420  
YMRP .0000  
ZMRP .0000  
SCALE .0300

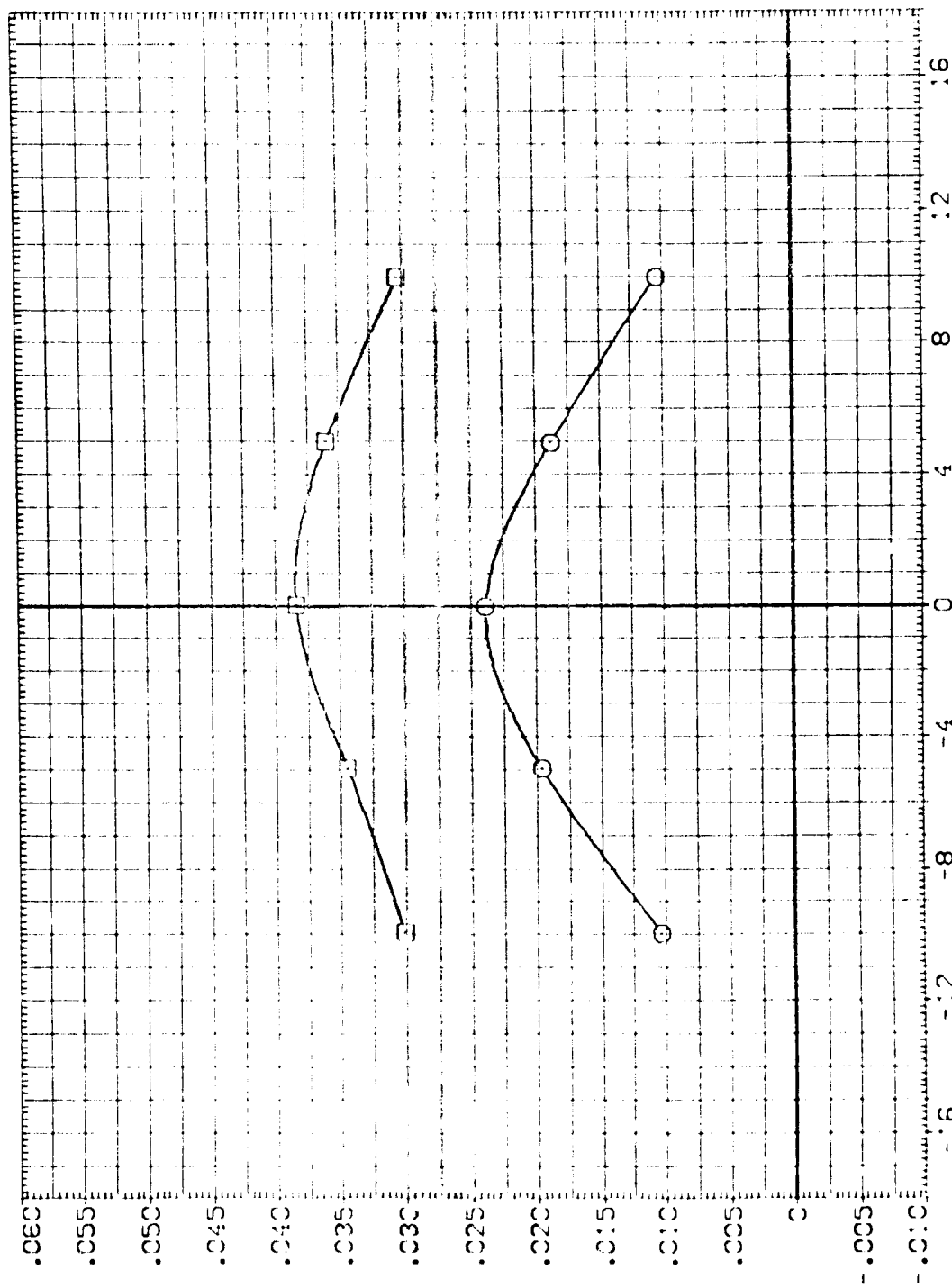


FIG. 6 B26 C9 F8 M7 N28 V8 R5 W116 E26, ALPHA = 0, RUDDER = -10

AMES 11-016 04224 326 09 F8 N7 N28 V895 W116 E26 (RB2009)

SYMBOL

ALPHA

RUDDER

PARAMETER VALUES

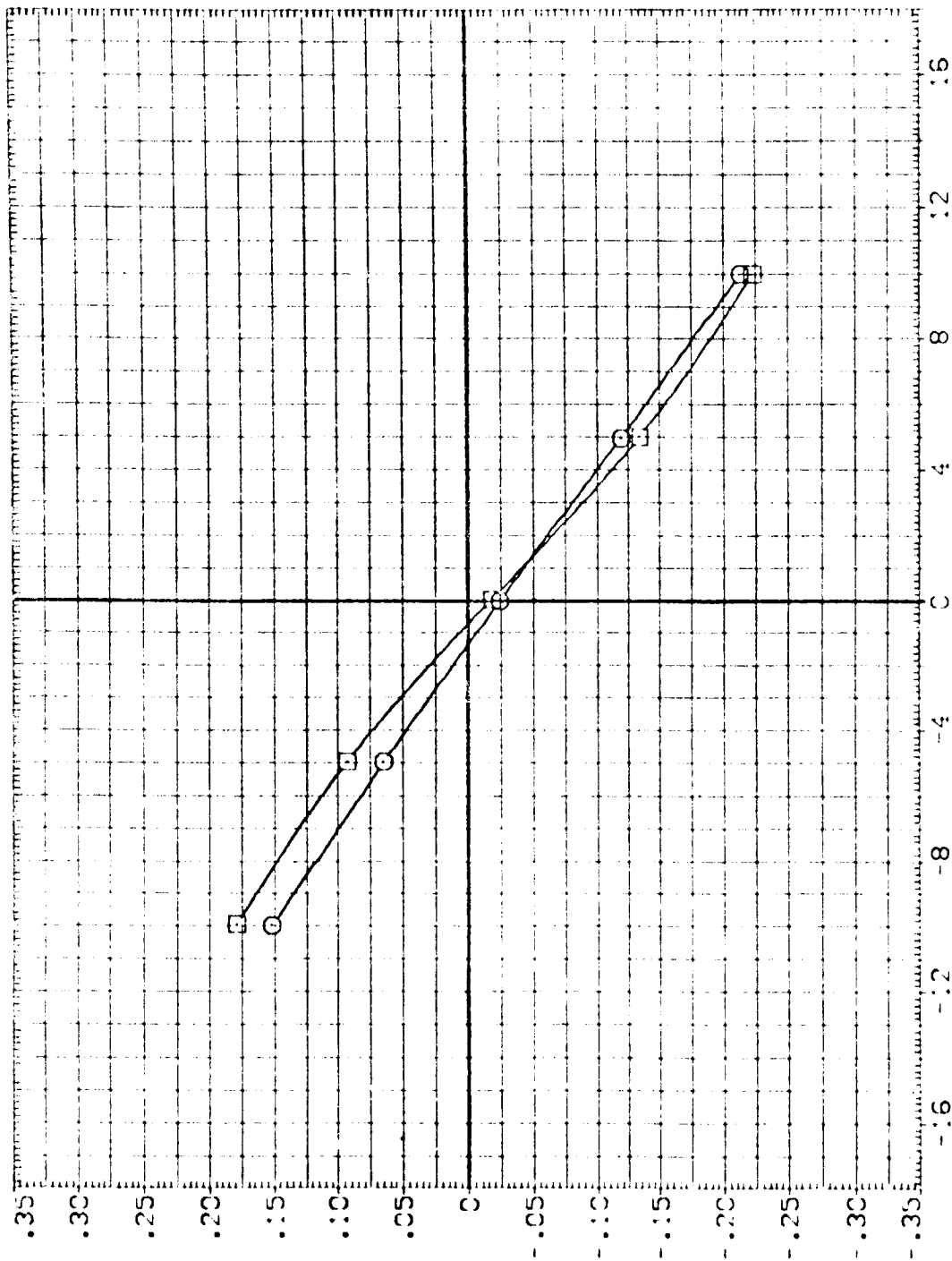
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SCALE

REFERENCE INFORMATION

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SIDE FORCE COEFFICIENT, CY

SIDESLIP ANGLE, BETA, DEGREES

FIG. 6 326 09 F8 N7 N28 V895 W116 E26, ALPHA = 0, RUDDER = -10

AVES 11-716 CA22A B2E C9 F8 M7 N28 V8R5 W116 E26(RB2009)

SYMBOL

MACH  
.600  
.899

ALPHA  
RUDDER

PARAMETRIC VALUES  
.000  
ELEVON  
-10.000  
SPDRK

.000  
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REFERENCE INFORMATION  
SREF 2.4210 SQ.FT.  
LREF 38.7090 IN.  
BREF 38.7090 IN.  
XMRP 25.5420  
YMRP .0000  
ZMRP .0000  
SCALE .0300

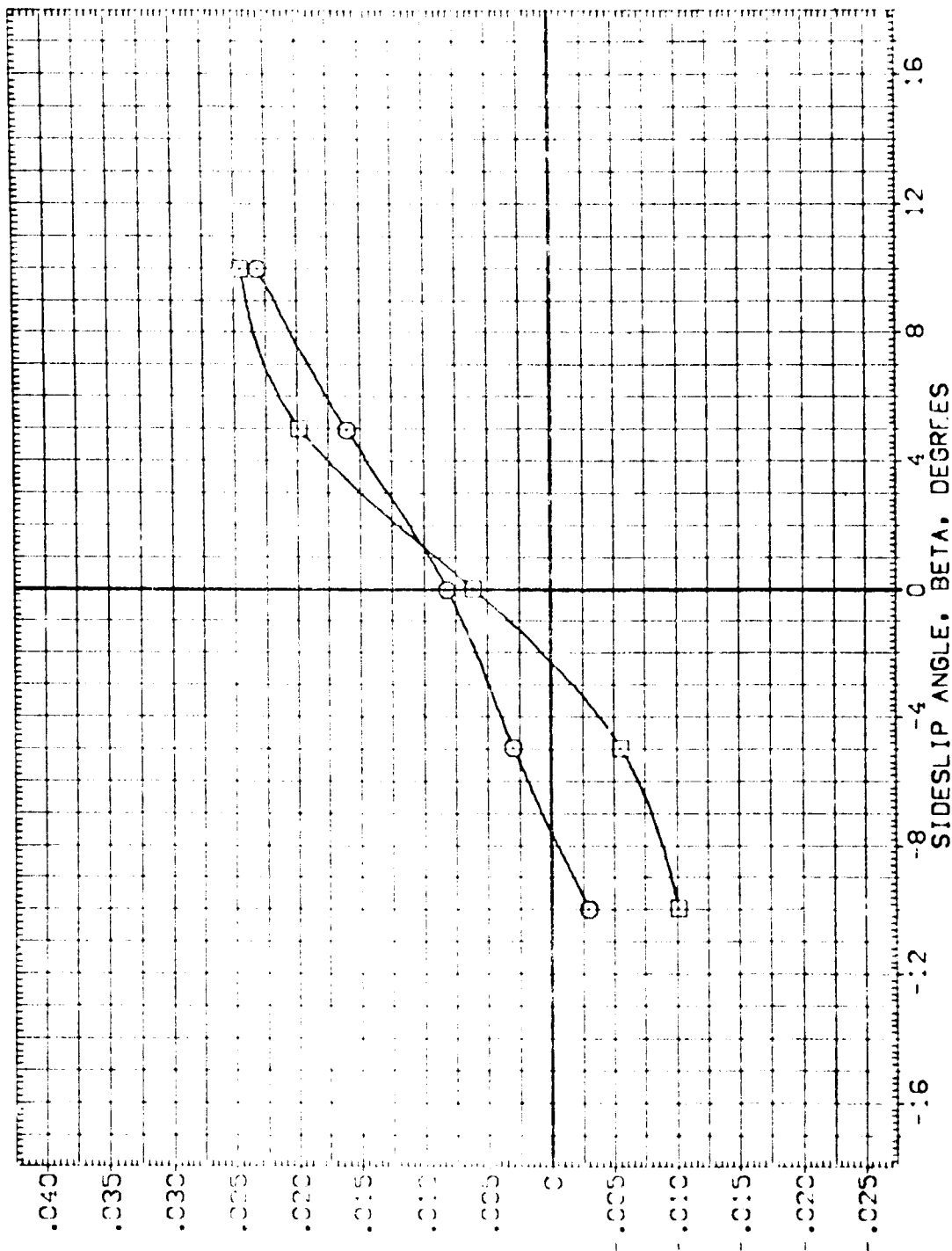


FIG. 6 B2E C9 F8 M7 N28 V8 R5 W116 E26, ALPHA = 0, RUDDER = -10

AMLS 1116 100A 326 09 18 W 108 V8R5 W116 E26 (R32009)

S.W.C. MACH. ALA. PARAMETRIC VALUES  
 .500 .000 .000 .000  
 .000 .000 .000 .000

REFERENCE INFORMATION:  
 SREF 2.4210  
 BRG 38.7090  
 BRG 38.7090  
 Y200 25.5420  
 Y200 10000  
 Y200 10000  
 SCALE 10000

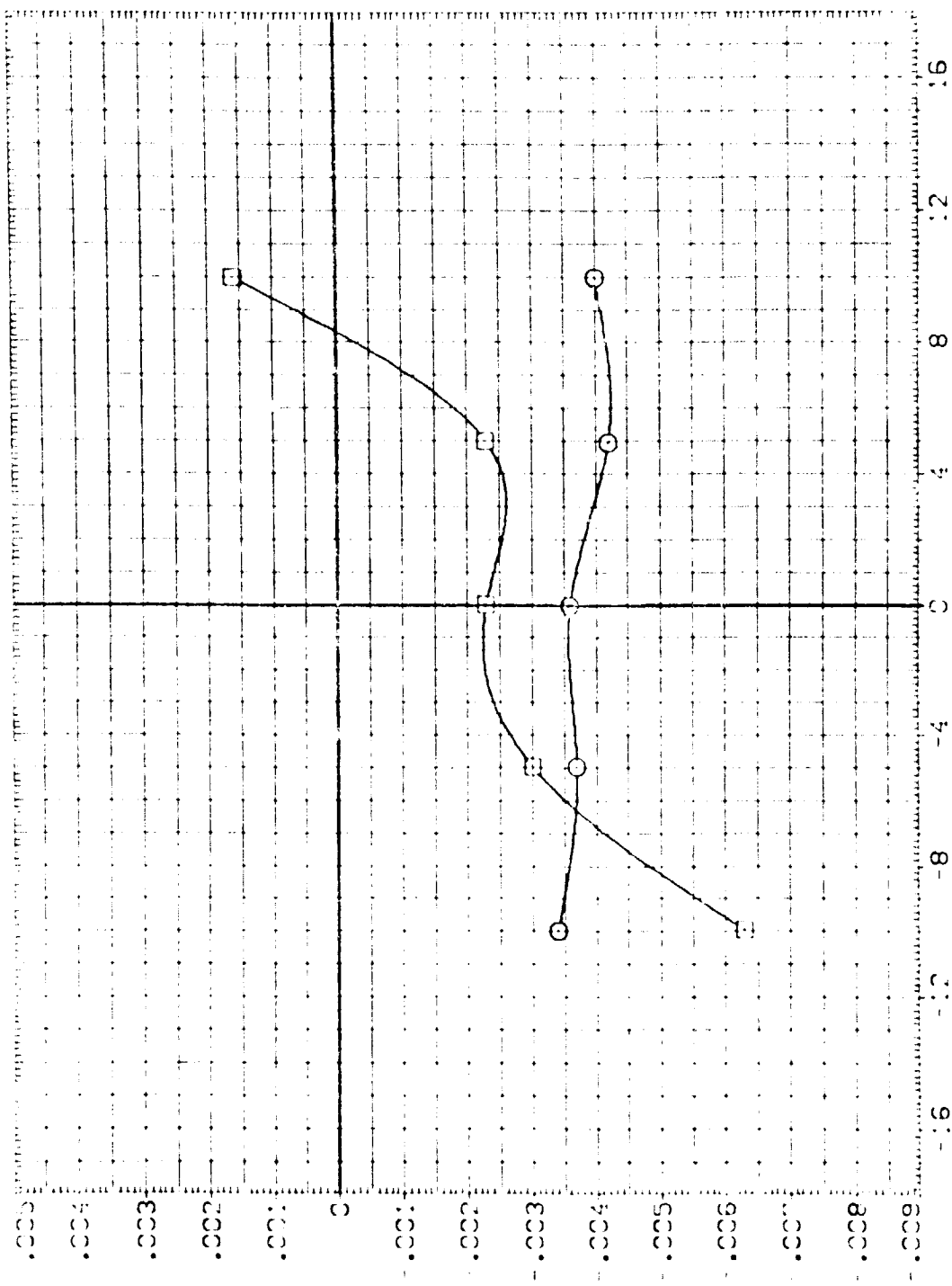


FIG. 6 326 09 18 W 108 V8R5 W116 E26 . ALPHA = 0 . RUDDER = -10







AVES 11-716 0A22A 326 C9 F8 M7 N28 V8R5 W116 E26 (R32010)

SYMBOL

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RUDDER

PARAMETRIC VALUES

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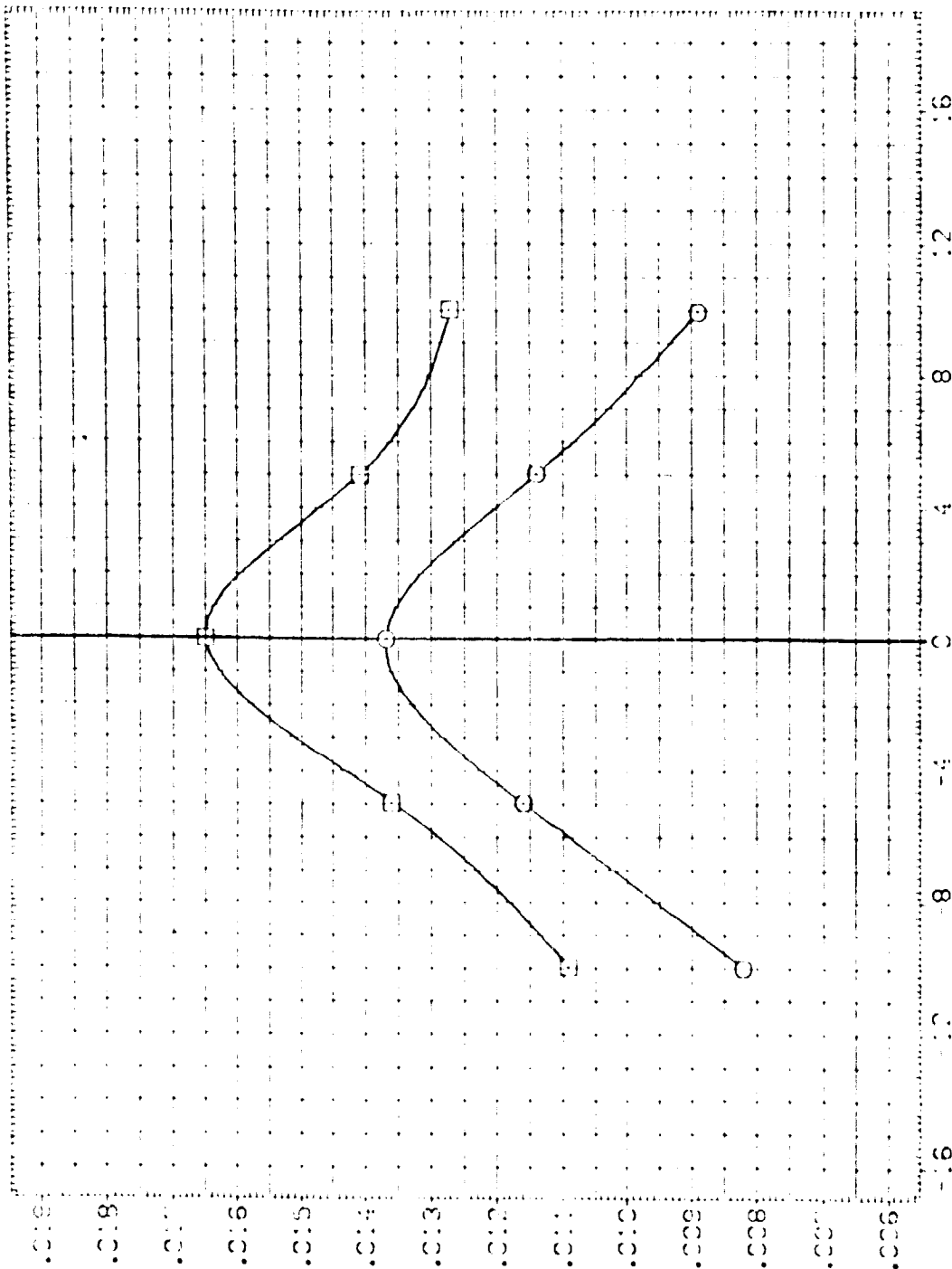
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**Silvaco**      **30N3837-90**

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PITCHING MOMENT COEFFICIENT, CLM


$$326.69 \pm 8.47 \quad 328.48 \pm 5.26 \quad 329.44 \pm 6.30 \quad 330.33 \pm 10.13$$



AVES 11-716 CA22A 326 C9 F8 M7 N28 V8R5 W116 E26 (RB2010)

SYMBOL

MACH

ALPHA

RUDDER

PARAMETRIC VALUES

.000 ELEVON

.000 SPOBRK

.000

.000

REFERENCE INFORMATION

SREF 2.4210

REF 38.7090

SREF 38.7090

WREF 25.5420

WREF .0000

WREF .0000

SCALE .0300

SG.FT. 27.2222

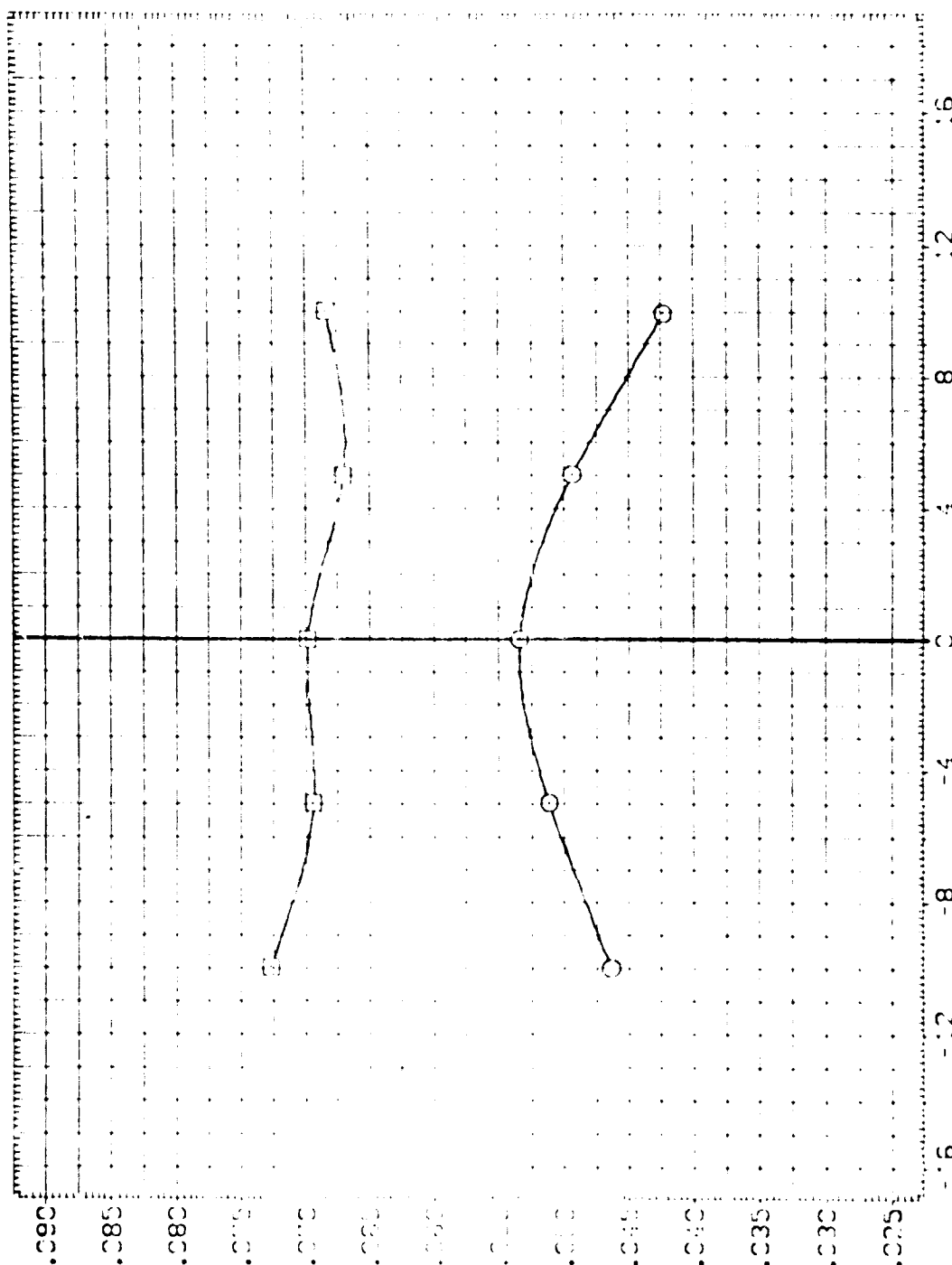


FIG. 7 326 C9 F8 M7 N28 V8 R5 W116 E26 . ALPHA = 0 . RUDDER = 10



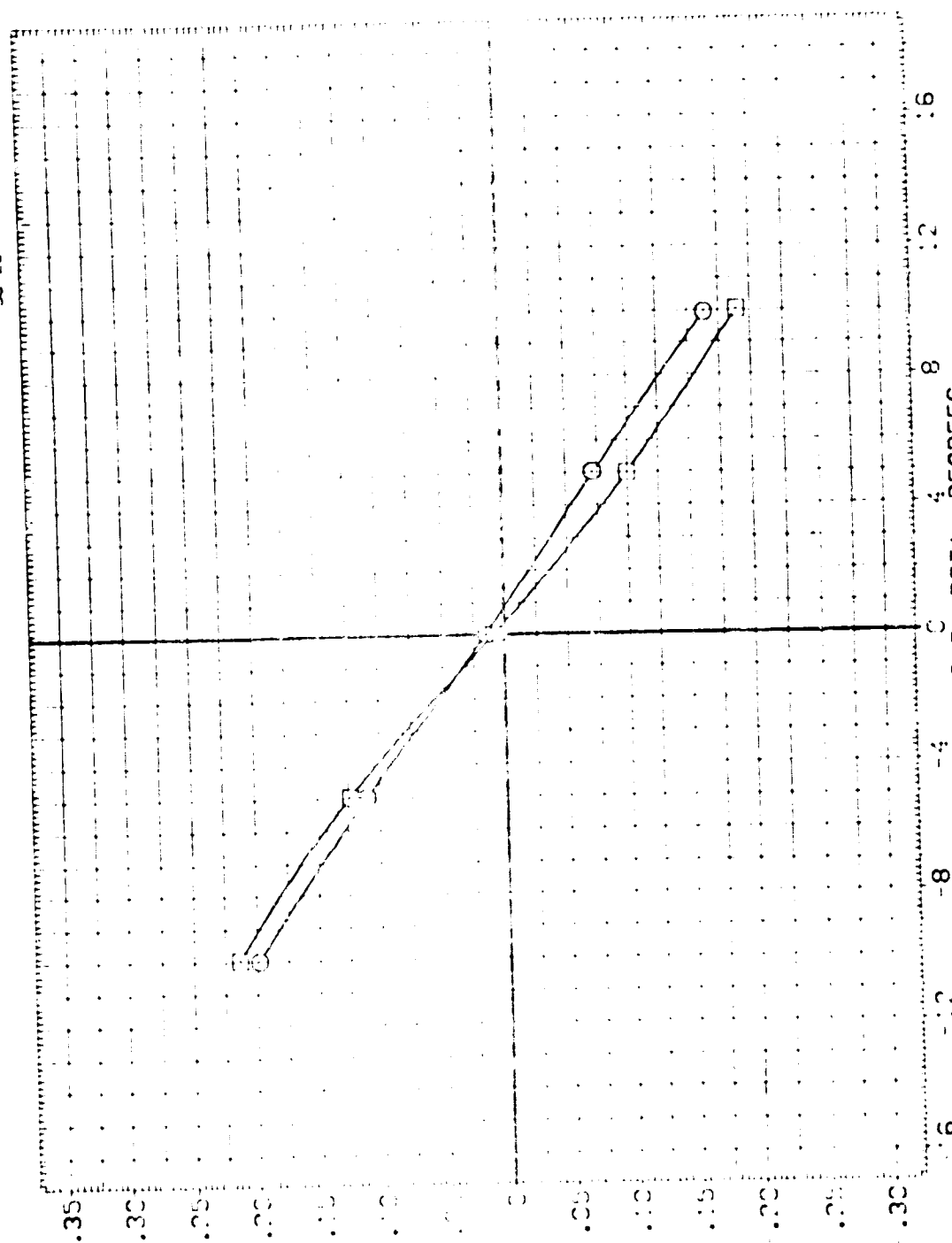
AVES 11.16 CA22A B26 C9 F8 V7 N28 .835 W116 E26 (R52010)

SYMBOL  
○

MACH  
.600  
.900

PARAMETRIC VALUES  
ALPHA .000 ELEVEN .000  
RUDDER 10.000 SPDRH .000

REFERENCE INFORMATION  
SREF 2.4210  
REF 38.0090  
SREF 38.0090  
VREF 35.5420  
VREF 35.0000  
VREF 35.0000  
SCALE 10.000



SIDESLIP ANGLE, BETA, DEGREES

FIG. 7 B26 C9 F8 V7 N28 R5 W116 E26 • ALPHA = 0 • RUDDER = 10

AMES 1 1716 3A22A 326 C9 F8 M7 N28 V8R5 W116 E26 (R32010)

SYMBOL MACH ALPHA RUDDER  
 1 1.800 .000  
 2 1.900 .000

PARAMETER VALUES  
 1.000 ELEVON .000  
 10.000 SPDR .000

REFERENCE INFORMATION  
 SREF 14210  
 LREF 38.7090  
 BREF 38.7090  
 XMRP 25.5120  
 YMRP .0000  
 ZMRP .0000  
 SCALE .0300

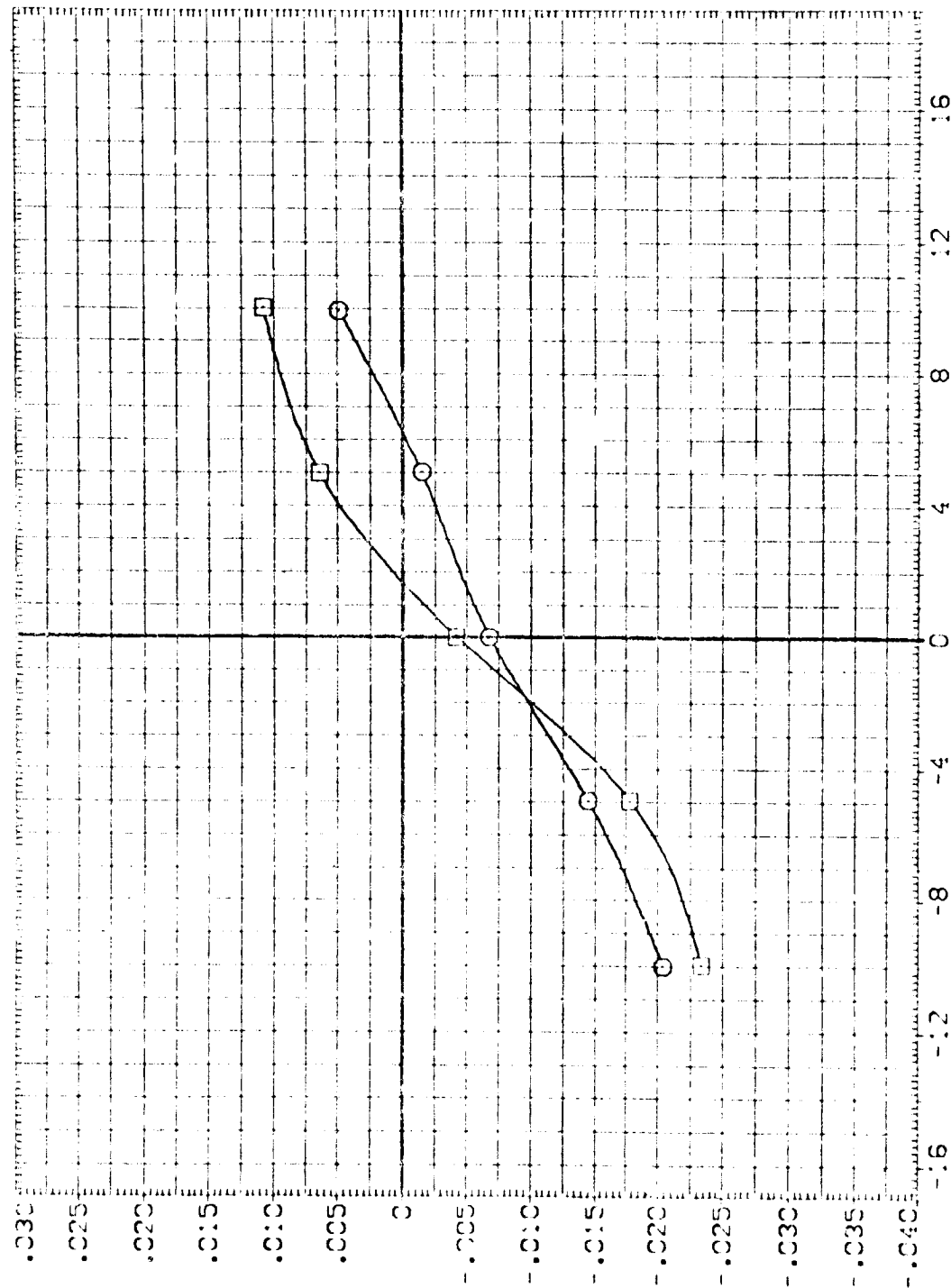


FIG. 7 B26 C9 F8 M7 N28 V8 R5 W116 E26 , ALPHA = 0 , RUDDER = 10



AMES 11-716 CA22A B26 C9 F8 M7 N28 V8R5 W116 E26(RB2010)

SYMBOL

0

MACH

.600  
.900

ALPHA

RUDDER

PARAMETRIC VALUES

.000  
10.000

ELEVON

SPOILER

REFERENCE INFORMATION

SREF 2.4210  
LREF 38.7090  
BREF 38.7090  
XREF 25.5420  
YREF .0000  
ZREF .0000  
SCALE .0300

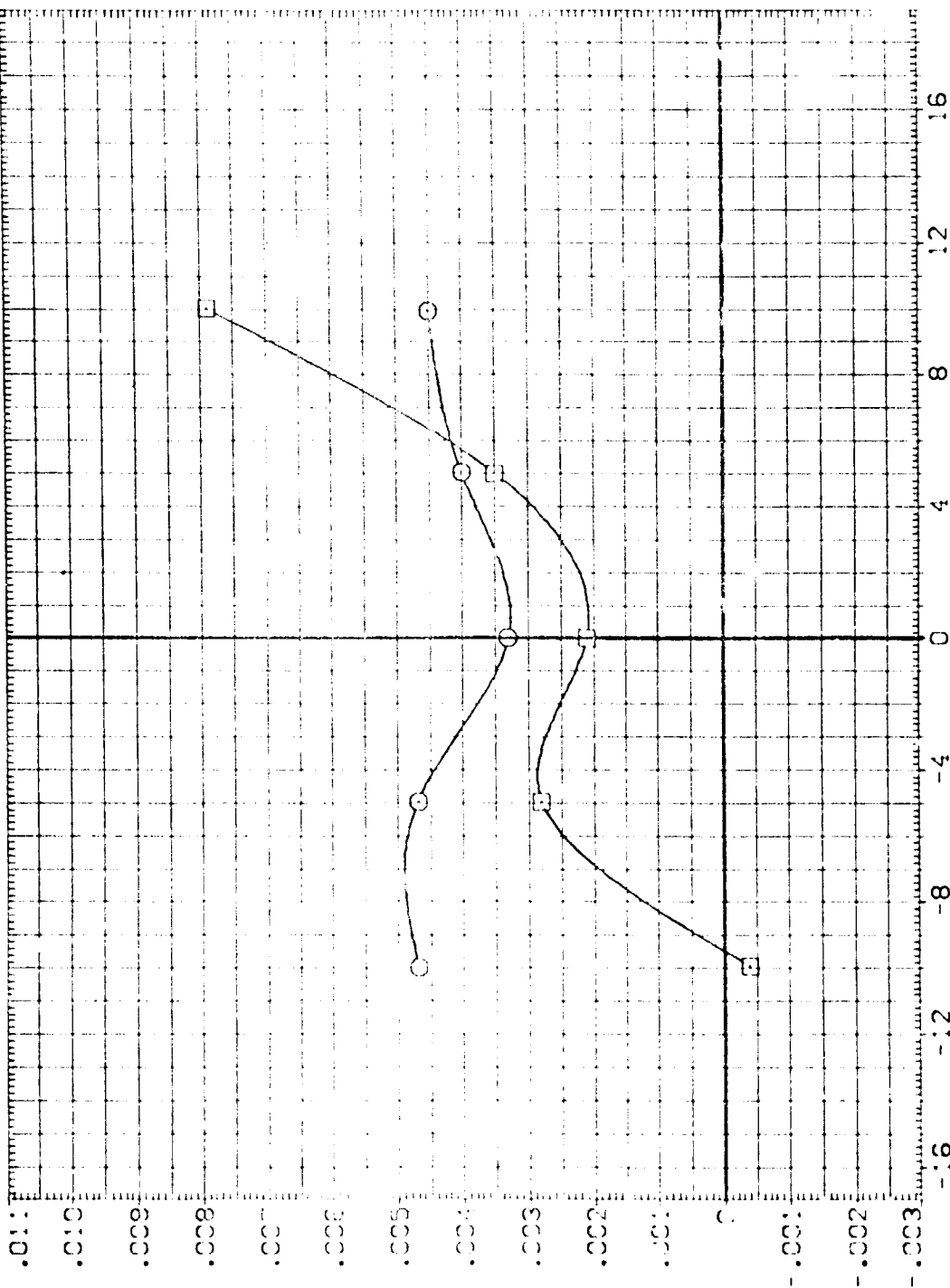


FIG. 7 B26 C9 F8 M7 N28 V8 R5 W116 E26, ALPHA = 0, RUDDER = 10





AMES 11-716 CA22A B26 C9 F8 M7 N28 V8R5 W116 E26(RB2010)

SYMBOL  
O  
□

MACH .600 .900  
ALPHA .000 .000  
RUDDER 10.000 10.000  
ELEVON .000 .000  
SPORK .000 .000

REFERENCE INFORMATION  
SREF 2.4210 SQ.FT.  
LREF 38.7090  
BREF 38.7090  
XMRP 25.5420  
YMRP .0000  
ZMRP .0000  
SCALE .0300

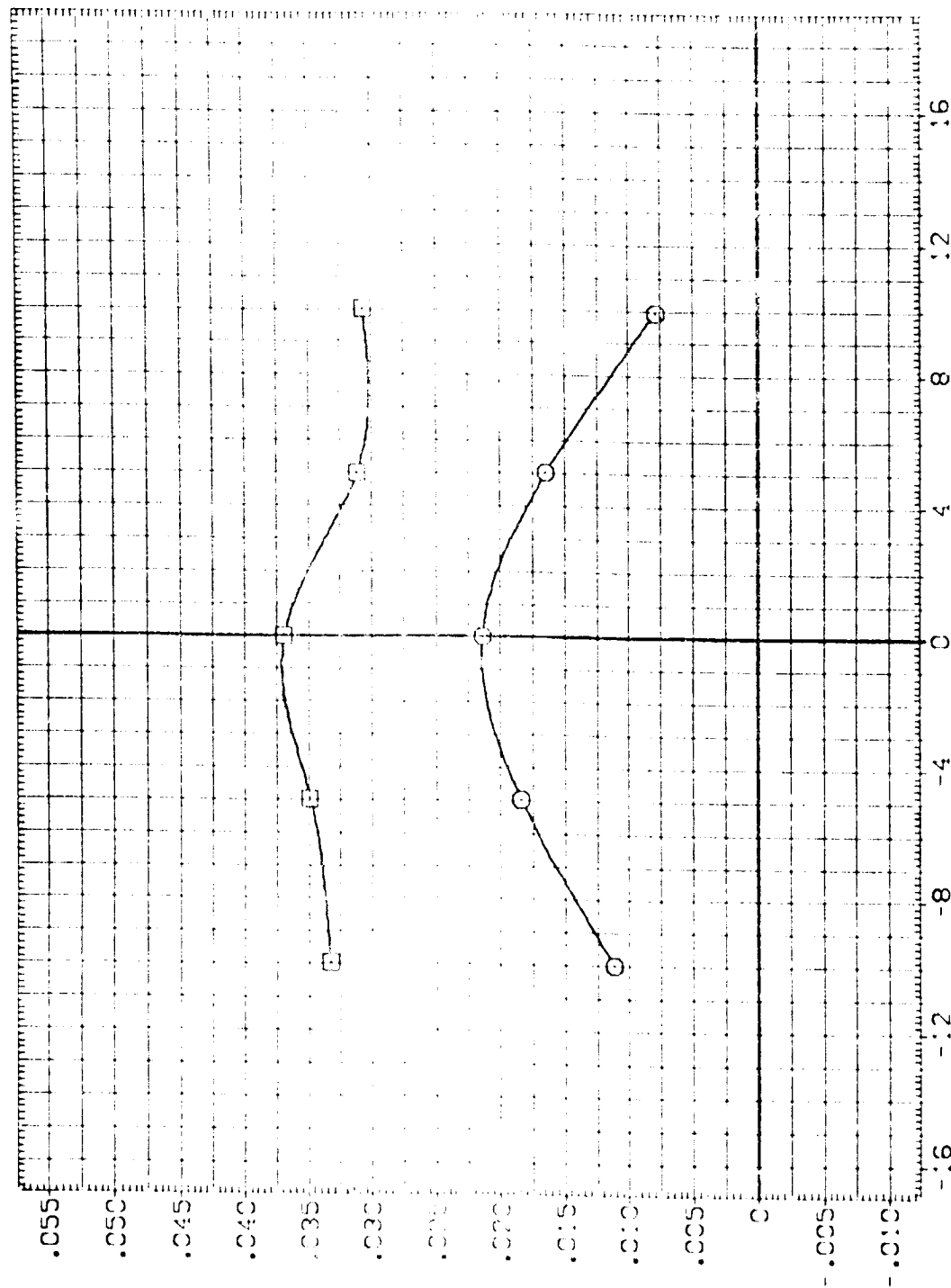
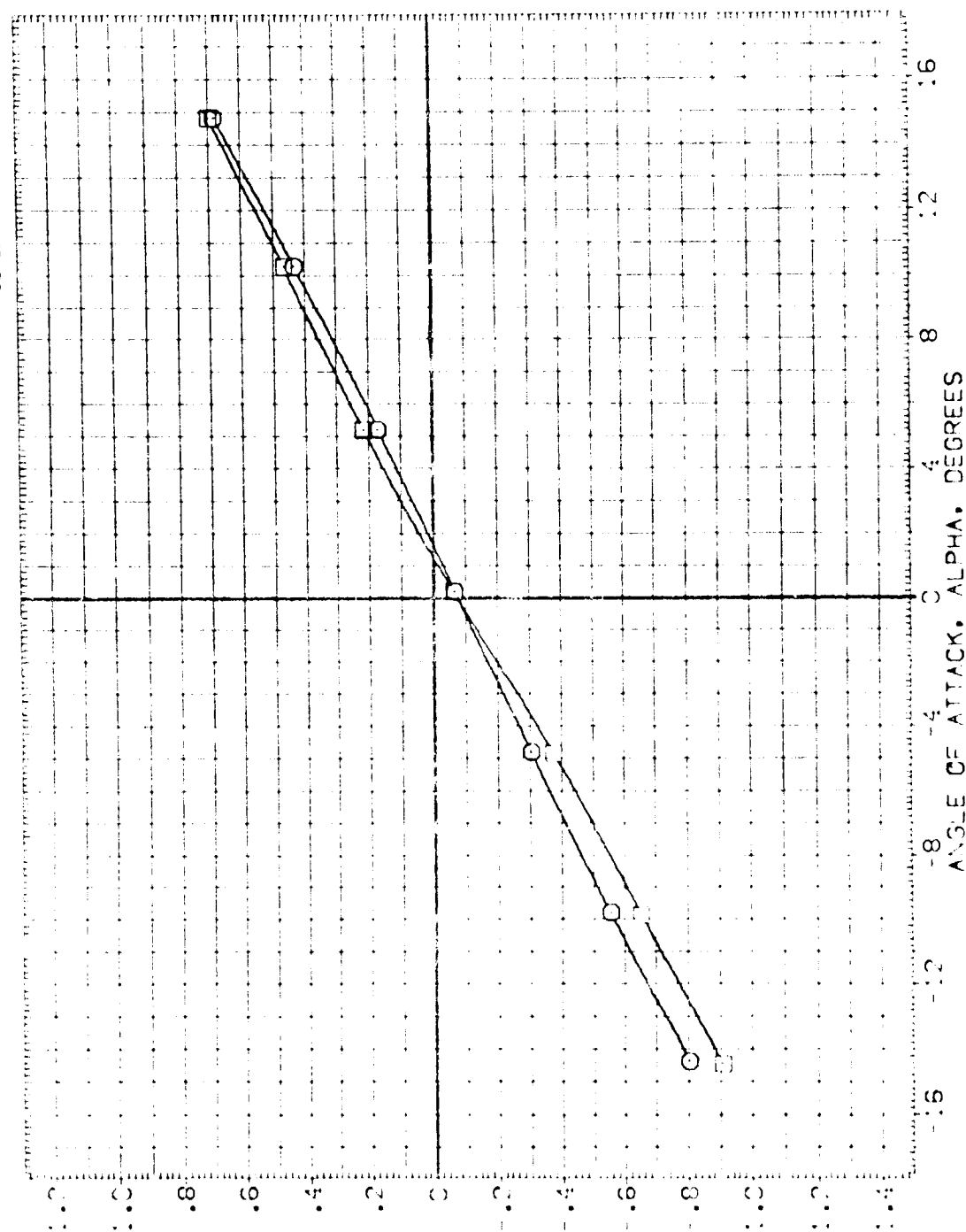


FIG. 7 B26 C9 F8 M7 N28 V8 R5 W116 E26 • ALPHA = 0 • RUDDER = 10

[illegible]

REFERENCE INFORMATION:  
24210  
387080  
387080  
387080  
54300  
00000  
00000  
00000



19. 8 329 09 58 V7 V28 V8 25 W16 E26 . BETA = 0 , SPEED BRAKE = 35

AVES 11-716 CA22A B26 C9 F8 M7 N28 V8R5 W116 E26 (R32011)

SYMBOL

MACH

.595  
.902

BETA  
RUDER

PARAMETRIC VALUES

.000 ELEVON  
.000 SPEEDBRK 35.000

REFERENCE INFORMATION  
SREF 2.4210 50.FT.  
LREF 38.7091 IN.  
BREF 38.7091 IN.  
XMR0 25.5420 IN.  
YMR0 .0000 IN.  
ZMR0 .0000 IN.  
SCALE .0300

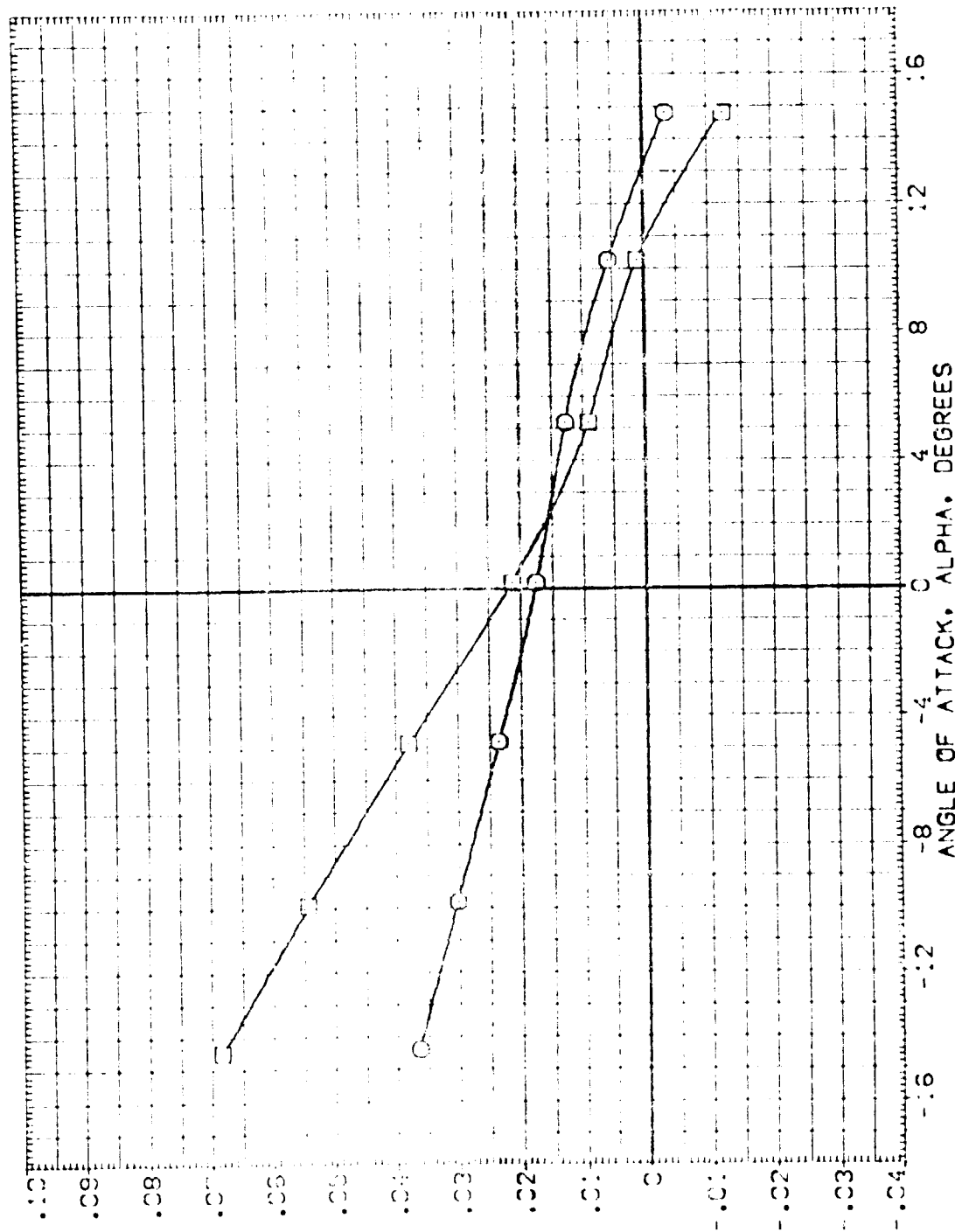


FIG. 8 B26 C9 F8 M7 N28 V8 R5 W116 E26 • BETA = 0 • SPEED BRAKE = 35



AXIS 100 6 2 224 328 09 16 W 18 18P5 116 1281920.1

REFERENCE INFORMATION:  
 SPEC 2.4210  
 RE 38.7090  
 BOLT 38.7090  
 WOOD 25.5400  
 WOOD 10.0000  
 WOOD 10.0000  
 SCALE 10300

PARAMETER VALUES  
 100 1.000 1.000 1.000  
 100 1.000 1.000 1.000  
 100 1.000 1.000 1.000

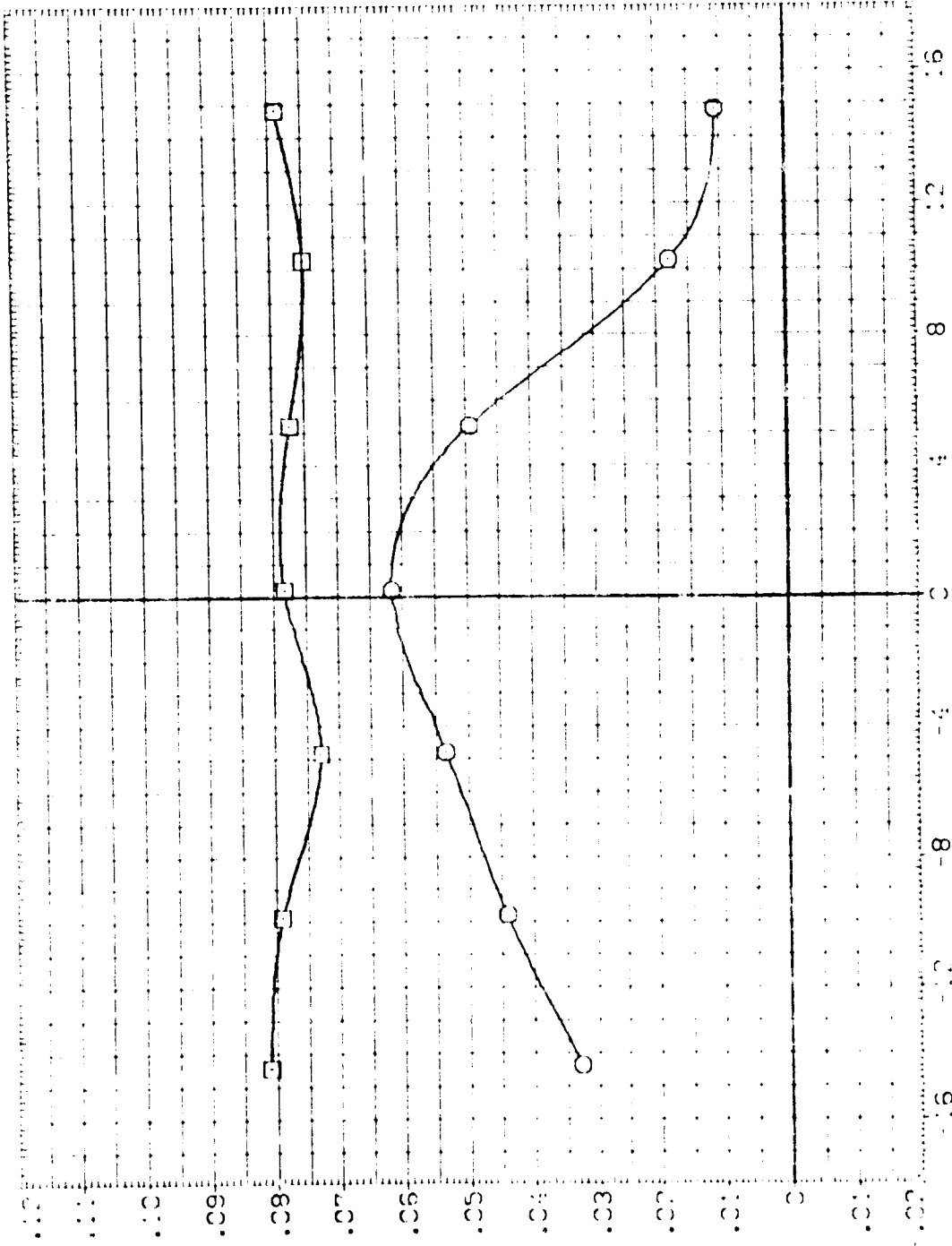


FIG. 8 328 09 18 W 18 18P5 116 1281920.1 SPEED BRAKE = 35

AMES 11-716 CA22A 326 C9 F8 M7 N28 V8R5 W116 E26(RB2011)

SYMBOL  
O

MACH  
.595  
.902

BETA  
RUDR

PARAMETRIC VALUES  
.000 .000 .000  
ELEVON SPEEDK 35.000

REFERENCE INFORMATION  
SQ. FT.  
SREF 2.4210  
LREF 38.7090  
BREF 38.7090  
XMR0 25.5420  
YMR0 .0000  
ZMR0 .0300  
SCALE .0300

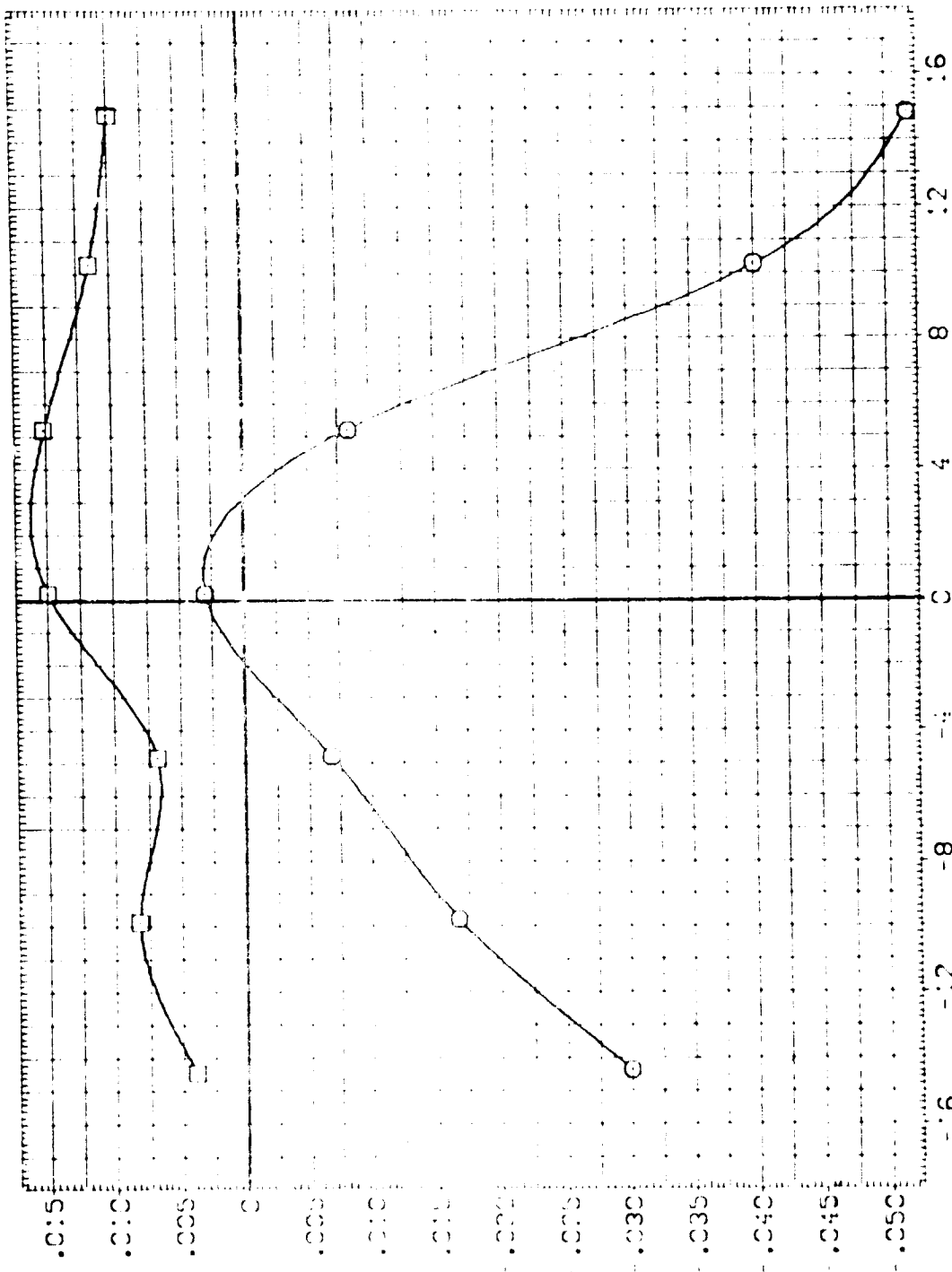


FIG. 8 326 C9 F8 M7 N28 V8 R5 W116 E26 • BETA = 0 • SPEED BRAKE = 35









AMES 11-016 CA22A 326 C9 F8 W7 N28 V8R5 W116 E26 (R32011)

SYMBOL

MAC

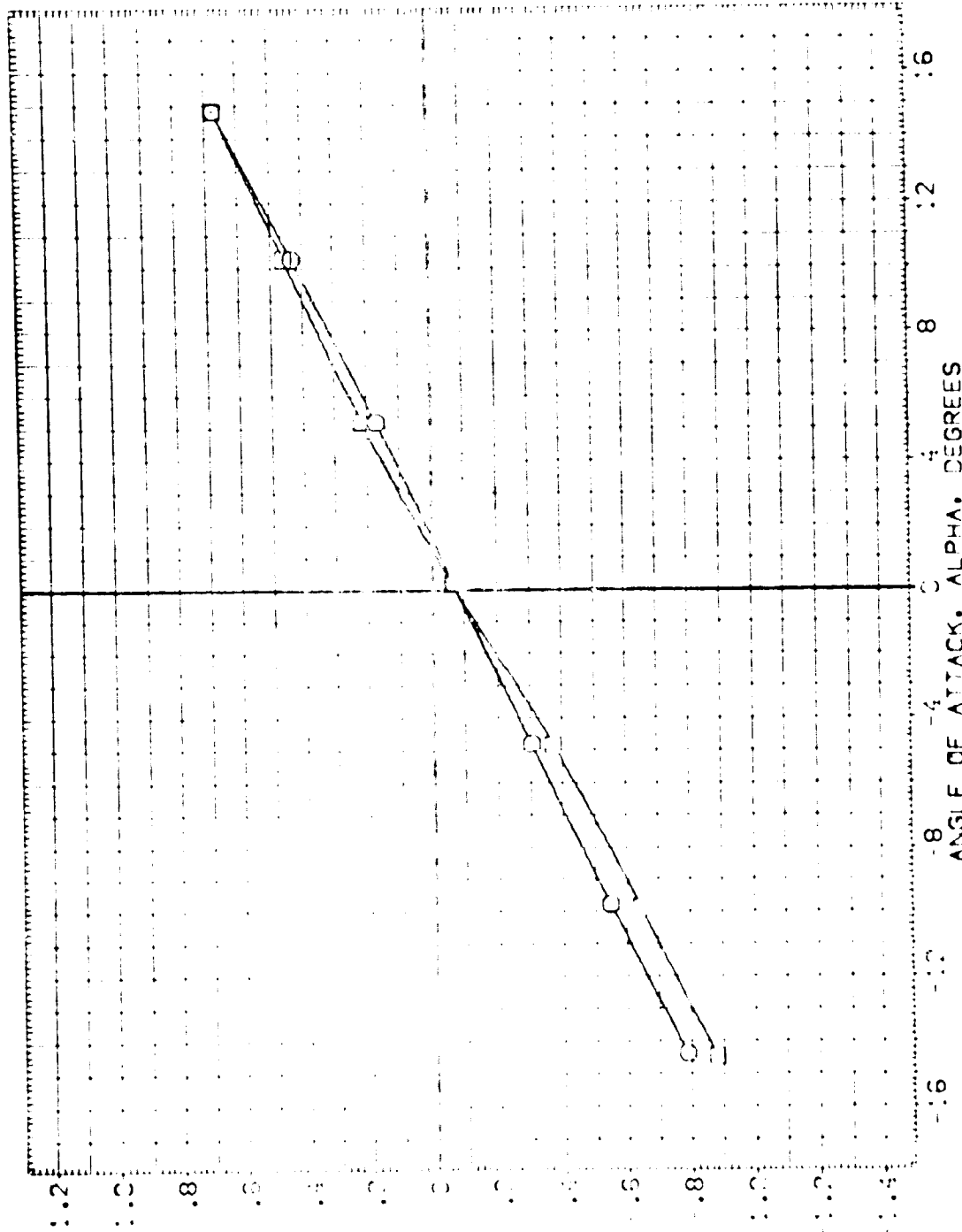
.595 BETA  
.902 RUDDER

PARAMETRIC VALUES

.000 ELEVON  
.000 SPOON 35.000

REFERENCE INFORMATION

SREF 2.4210  
LREF 38.7000  
BREF 38.7000  
VREF 25.5410  
WREF .0000  
SCALE .0300



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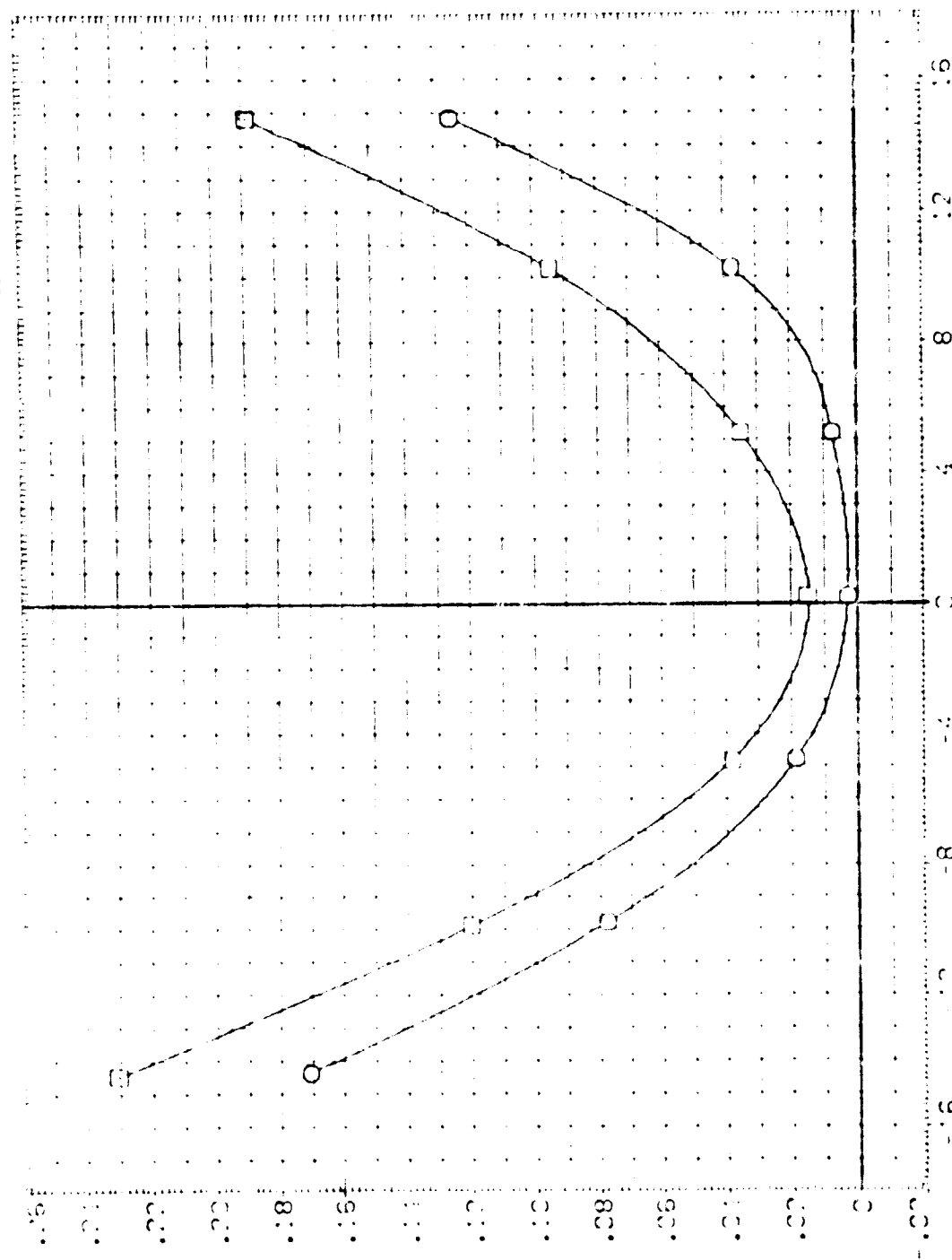
FIG. 8 326 C9 F8 W7 N28 V8 R5 W116 E26 • BETA = 0 • SPEED BRAKE = 35



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[illegible]

SCALE	REFERENCE IN S.M.A. 10	STATION
5000	7.400	5277777
4000	6.800	
3000	6.200	
2000	5.600	
1000	5.000	
0000	4.400	



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AVES 11-116 CA22A 326 C9 F8 W 28 1835 11.16 E26(R320:2)

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REFERENCE INFORMATION  
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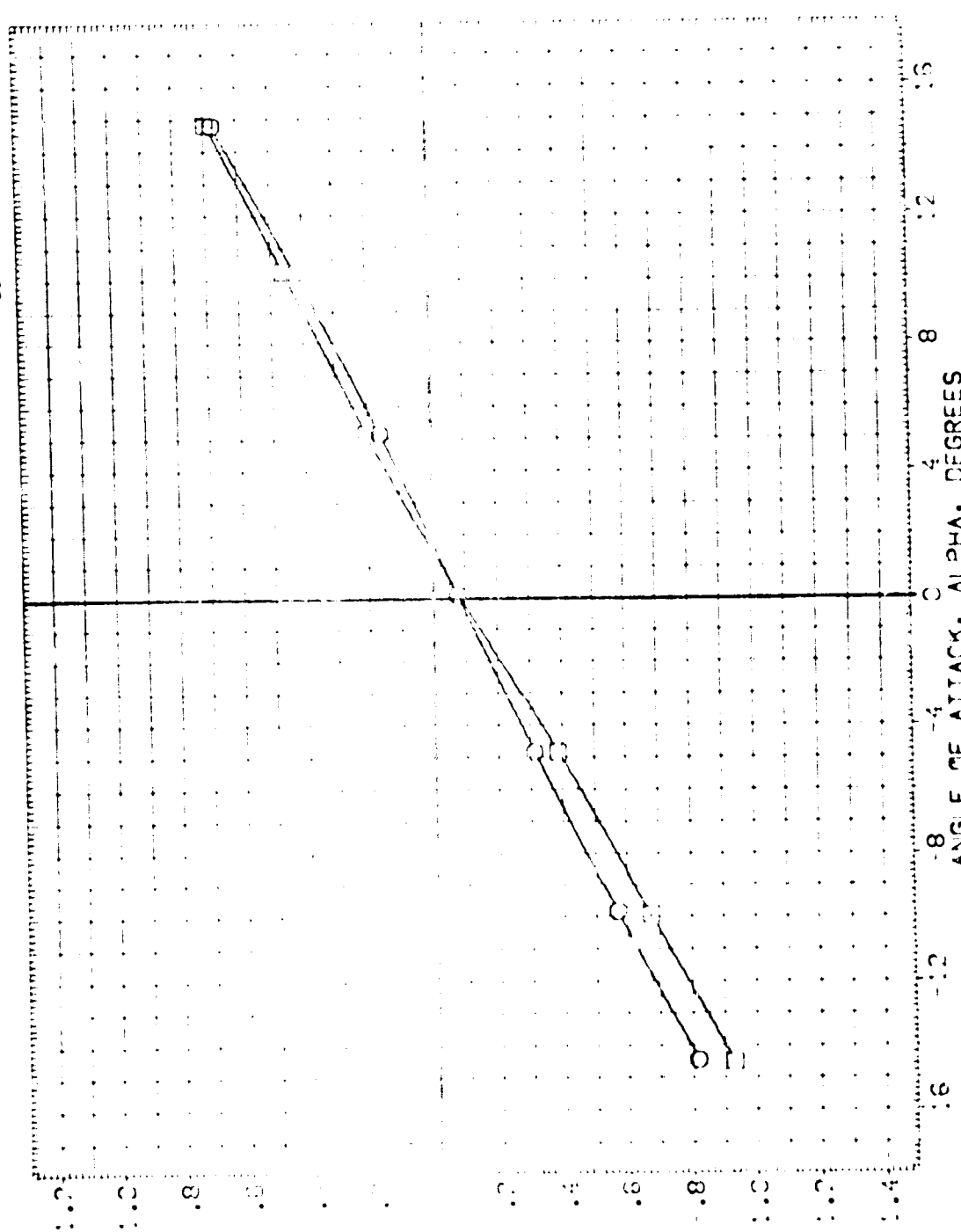
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59. 57.



326 C9 F8 M7 N28 V8 R5 W116 E26 • BETA = 0 • SPEED BRAKE = 55

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AMES 11-716 0A22A B26 C9 F8 M7 N28 V8R5 W116 E26(RB2012)

SYMBOL	MACH	BETA	PARAMETRIC VALUES		REFERENCE INFORMATION	
			RUDDER	ELEVON	SREF	SG.FT.
00	.596	.903	.000	.000	LREF	IN.
			.000	.55,000	BREF	IN.
					XMRP	IN.
					YMRP	IN.
					ZMRP	IN.
					SCALE	.0300

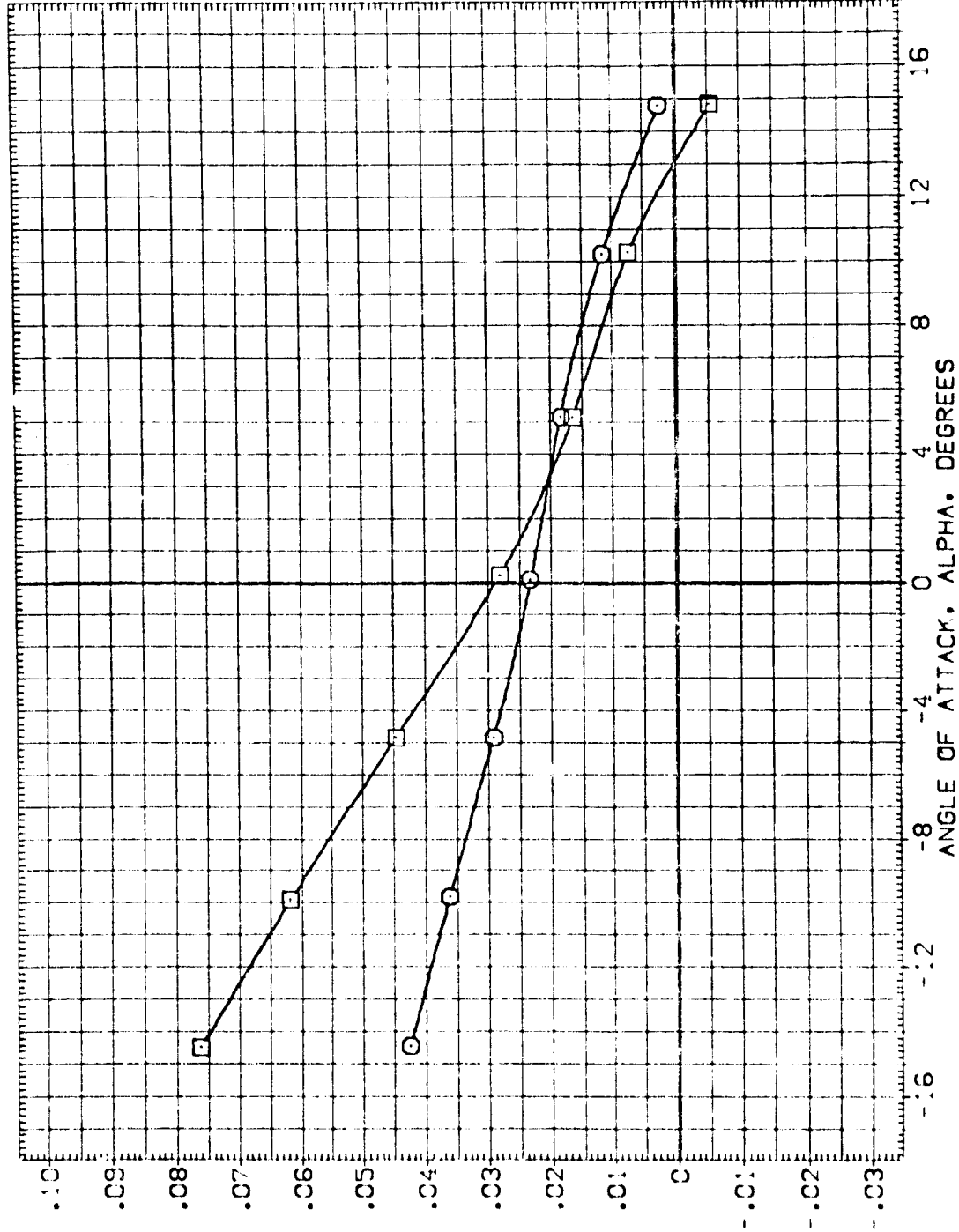


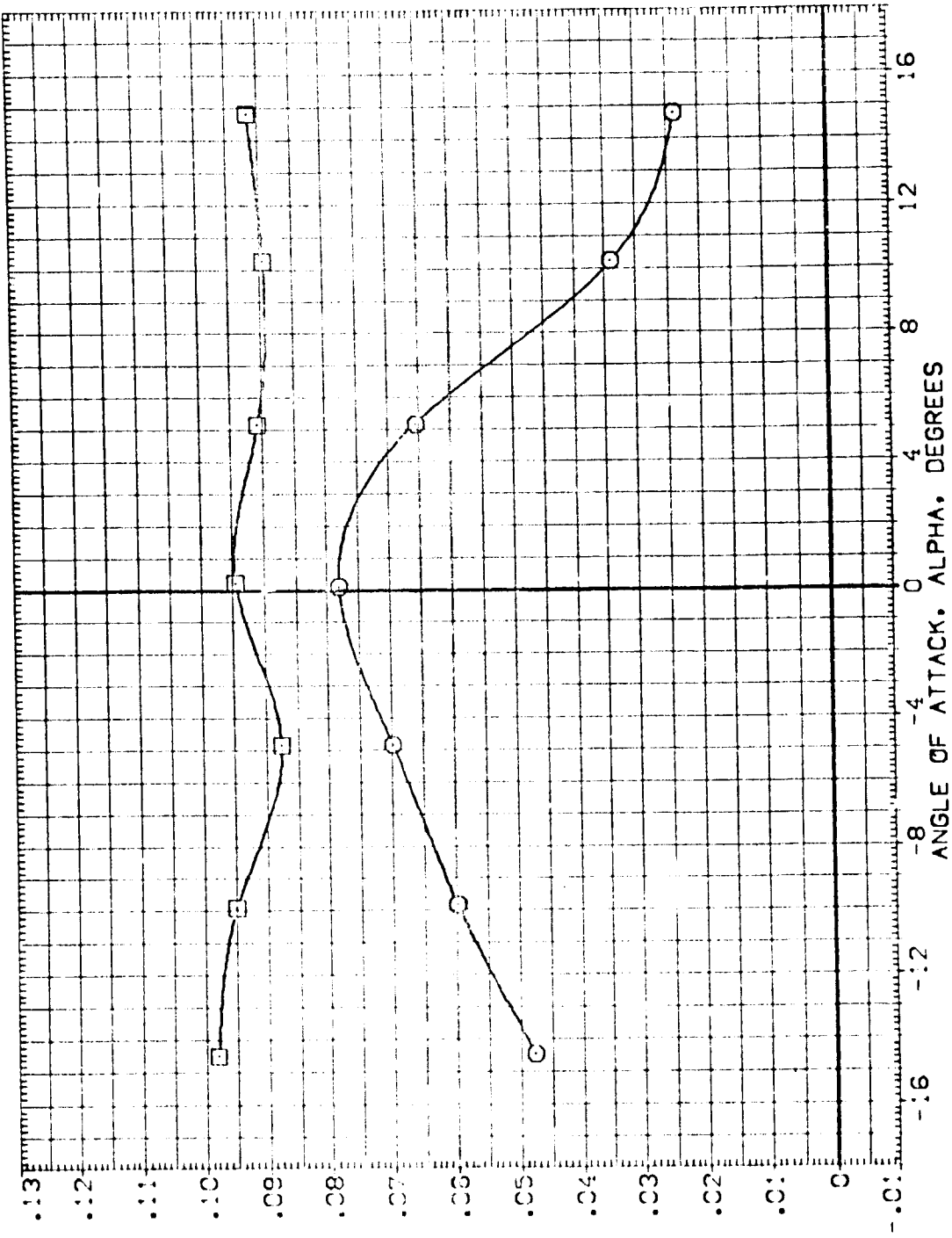
FIG. 9 B26 C9 F8 M7 N28 V8 R5 W116 E26, BETA = 0, SPEED BRAKE = 55

AMES 11-716 0A22A B26 C9 F8 M7 N28 V8R5 W116 E26(RB2012)

SYMBOL  
○ □

MACH .596  
.903  
BETA  
RUDDER  
PARAMETRIC VALUES  
.000 .000 .000  
ELEVON SPEEDK 55.000

REFERENCE INFORMATION  
SREF 2.4210  
LREF 38.7090  
BREF 38.7090  
XMRP 25.5420  
YMRP .0000  
ZMRP .0000  
SCALE .0300  
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FIG. 9 B26 C9 F8 M7 N28 V8 R5 W116 E26 , BETA = 0 , SPEED BRAKE = 55

AVES 11-716 CA22A B26 C9 F8 W7 N28 V8R5 W116 E26 (RB2012)

SYMBOL	MACH	BETA	PARAMETRIC VALUES	REFERENCE INFORMATION
□	.596		ELEVON .000	SREF 2.4210
○	.903	RUDDER	SPCBK 55.000	LREF 38.7090
				BREF 38.7090
				XMRD 25.5420
				YMRD .0000
				ZMRD .0000
				SCALE .0300

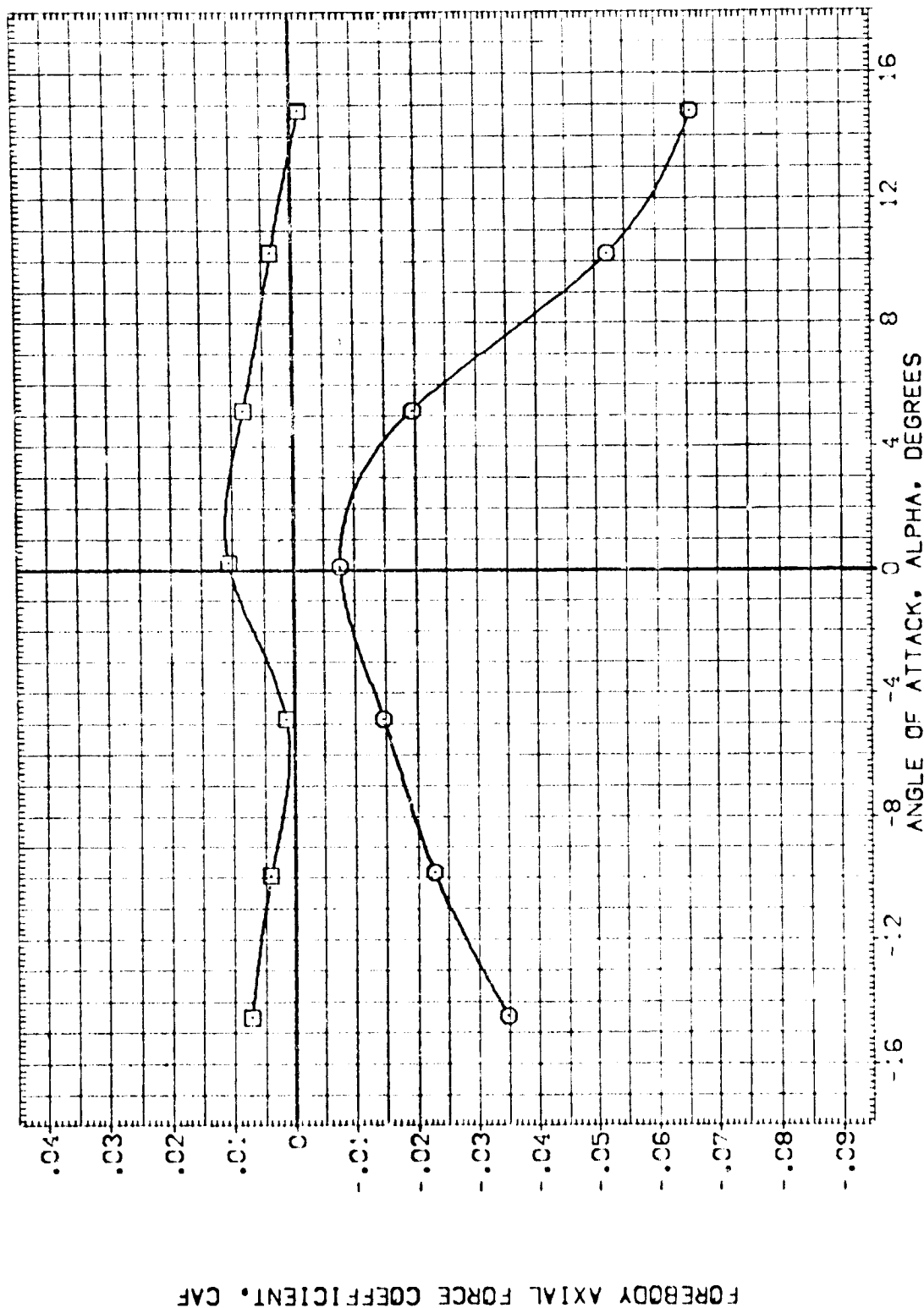


FIG. 9 B26 C9 F8 W7 N28 V8 R5 W116 E26 , BETA = 0 , SPEED BRAKE = 55



AVES 11-716 CA22A B26 C9 F8 M7 N28 V8R5 W116 E26(RB2012)

SYNBO.	MACH	BETA	PARAMETRIC VALUES	REFERENCE INFORMATION
○	.596	.000	ELEVON .000	SREF 2.4210
□	.903	.000	SPDRK 55.000	LREF 38.7090
				BREF 38.7090
				YREF 25.5420
				ZREF .0000
				YPRP .0000
				ZPRP .0000
				SCALE .0300

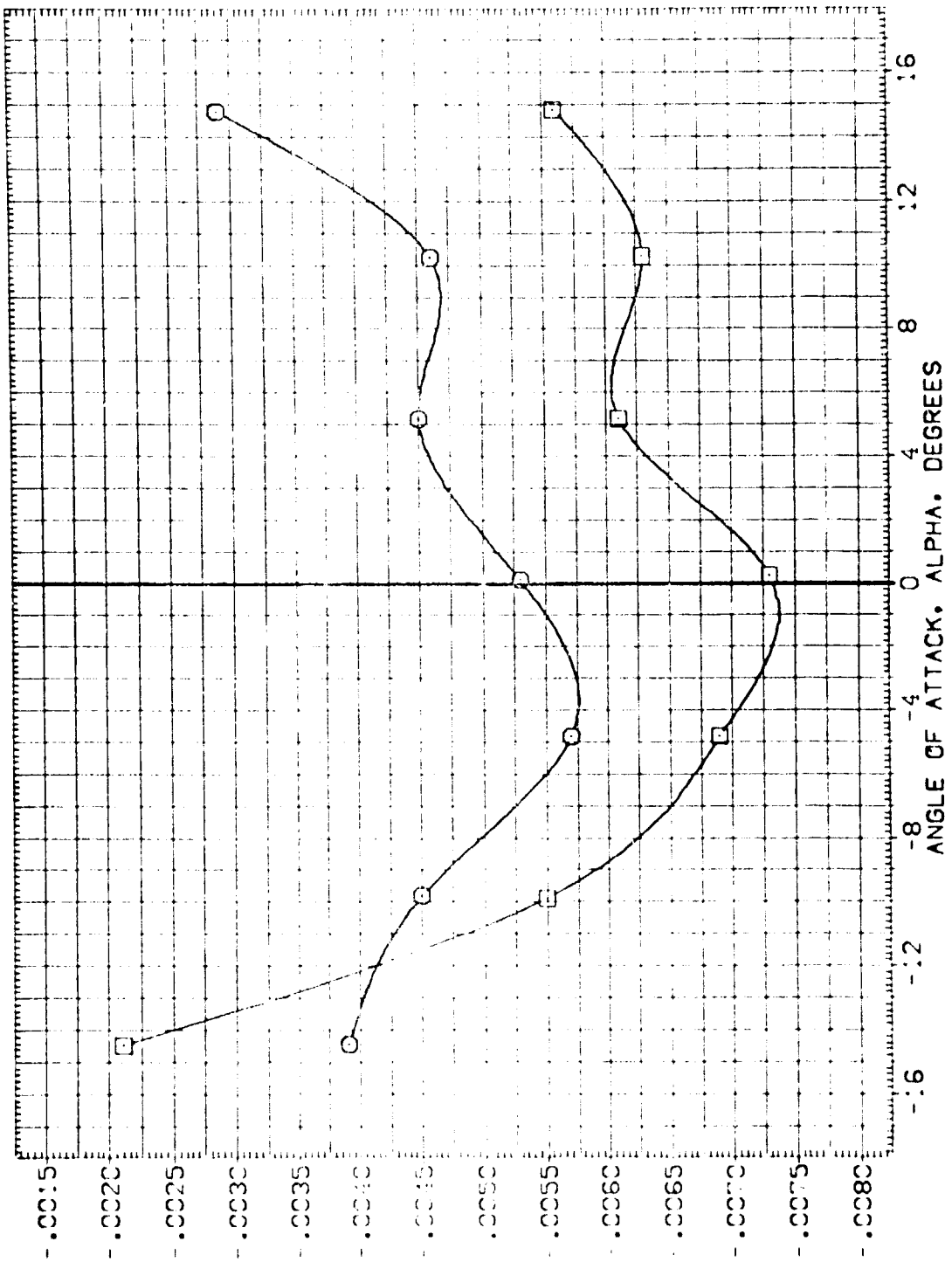


FIG. 9 B26 C9 F8 M7 N28 V8 R5 W116 E26 , BETA = 0 , SPEED BRAKE = 55



55.000  
500.

REFERENCE INFORMATION

2.4210	SO. ET.
38.7090	IN.
38.7090	IN.
25.5420	IN.
.0000	IN.
.0000	IN.
.0300	IN.



FIG. 9 326 C9 F8 M7 N28 V8 R5 W16 E26 . BETA = 0 . SPEED BRAKE = 55

AMES 11-716 CA22A B26 C9 F8 M7 N28 V8R5 W116 E26 (RB2012)

SYMBOL  
O

MACH  
.596  
.903

BETA  
RUDDER

PARAMETRIC VALUES  
.000 ELEVEN  
.000 SP039K

.000  
55.000

REFERENCE INFORMATION  
SQ.FT.  
SREF 2.4210  
LREF 38.7090  
BREF 38.7090  
XMRP 25.5420  
YMRP .0000  
ZMRP .0000  
SCALE .0300

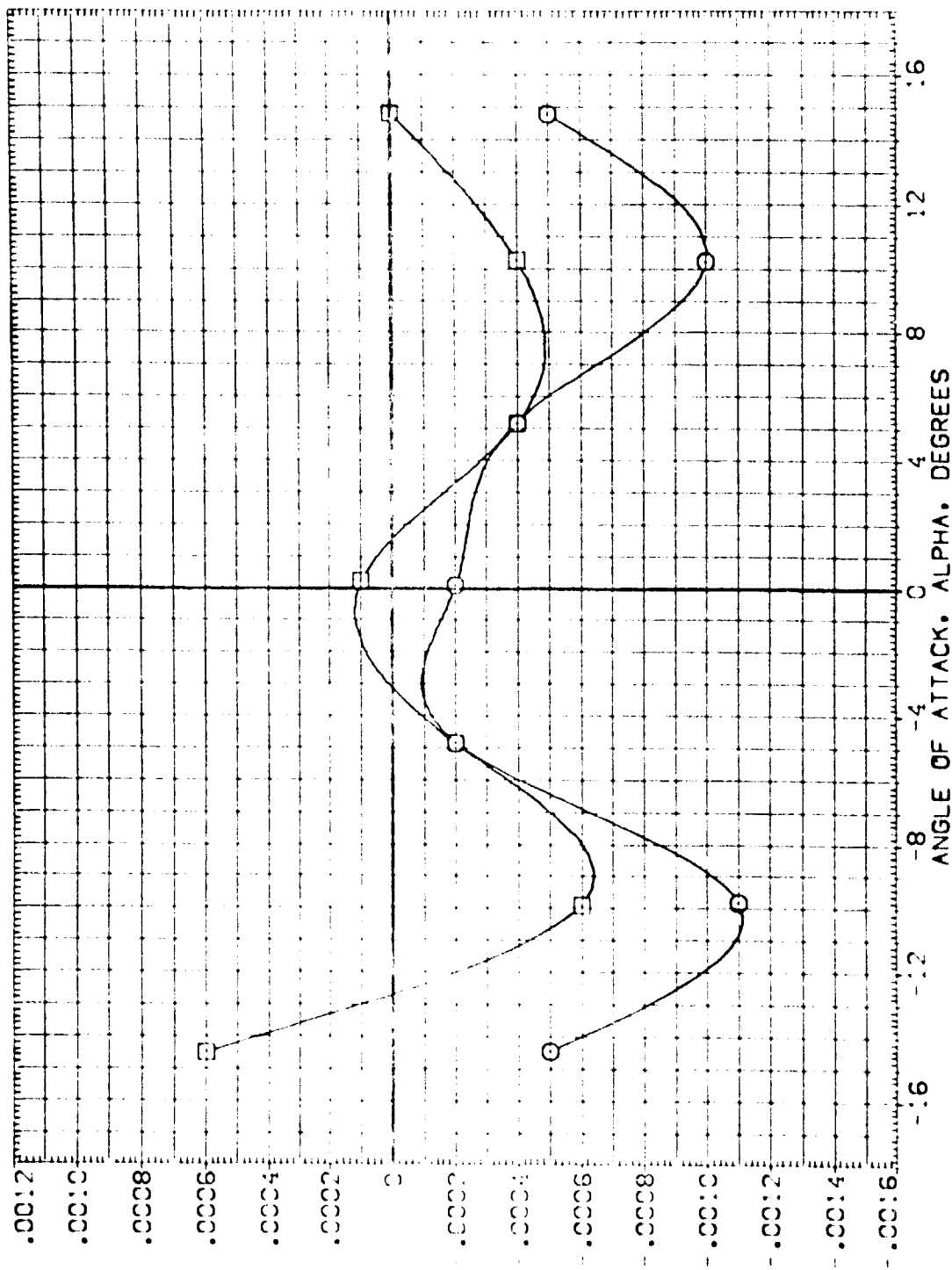


FIG. 9 B26 C9 F8 M7 N28 V8 R5 W116 E26 . BETA = 0 . SPEED BRAKE = 55



ANES 11-716 C122A 326 C9 F8 M7 N28 V8R5 W116 E26(RB2012)

SYMBOL  
O

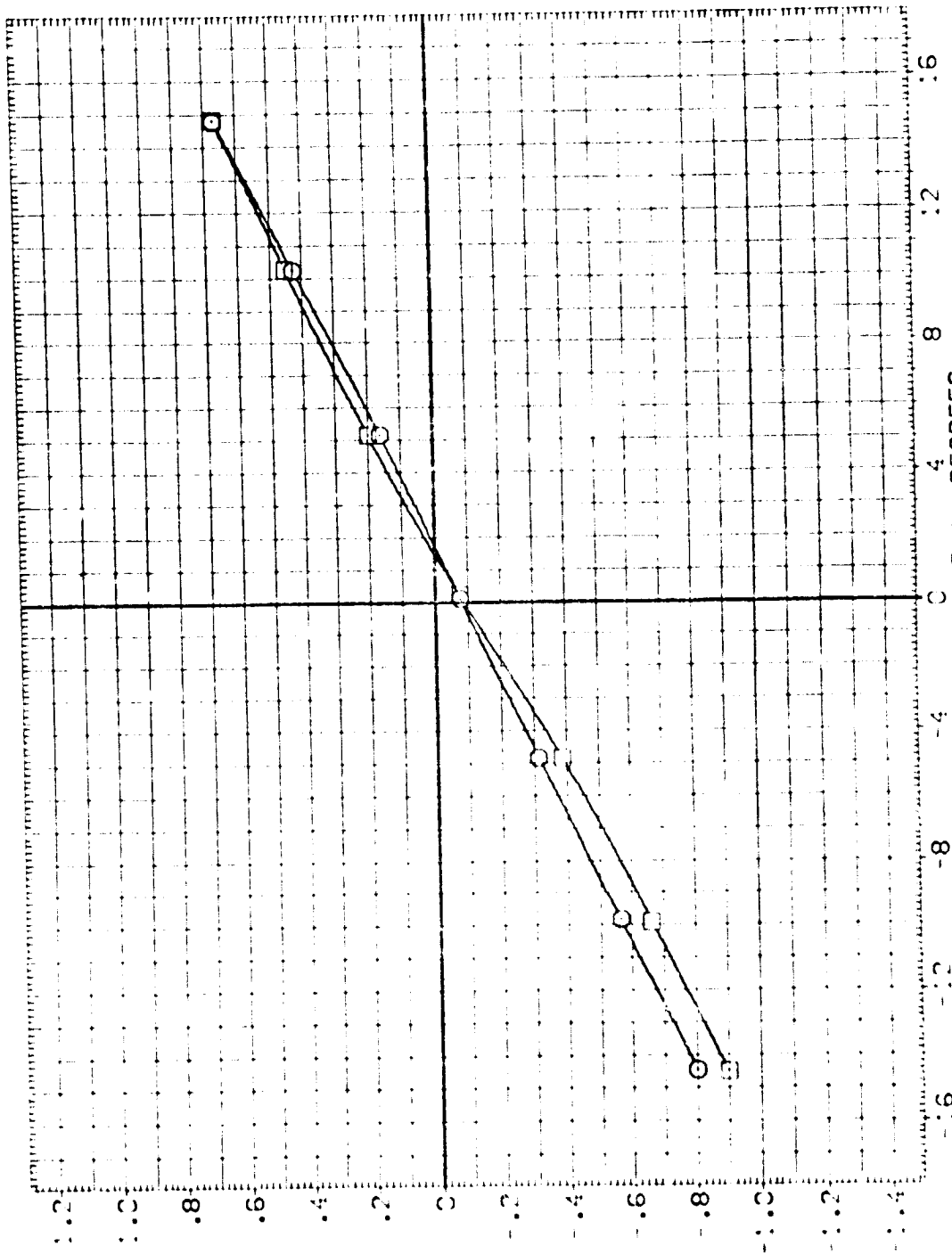
MACH  
.596  
.903

BETA  
RUDIF P

PARAMETRIC VALUES  
ELEVON  
SPDRM

.000  
.000  
55.000

REFERENCE INFORMATION  
SQ. FT.  
SREF 2.4210  
LREF 38.7090  
BREF 38.7090  
XMRP 25.5420  
YMRP .0000  
ZMRP .0000  
SCALE .0300



LIFT COEFFICIENT, CL

FIG. 9 326 C9 F8 M7 N28 V8 R5 W116 E26, BETA = 0, SPEED BRAKE = 55



AMES 11-716 CA22A B26 C9 F8 M7 N28 V8R5 W116 E26(RB2012)

SYMBOL  
O  
□

MACH  
.596  
.803

BETA  
R-000

PARAMETRIC VALUES  
.000 ELEVON  
.000 SPOON

.000  
55.000

REFERENCE INFORMATION  
SREF 2.4210  
LREF 38.7090  
BREF 38.7090  
XREF 25.5420  
YREF .0000  
ZREF .0000  
SCALE .0300

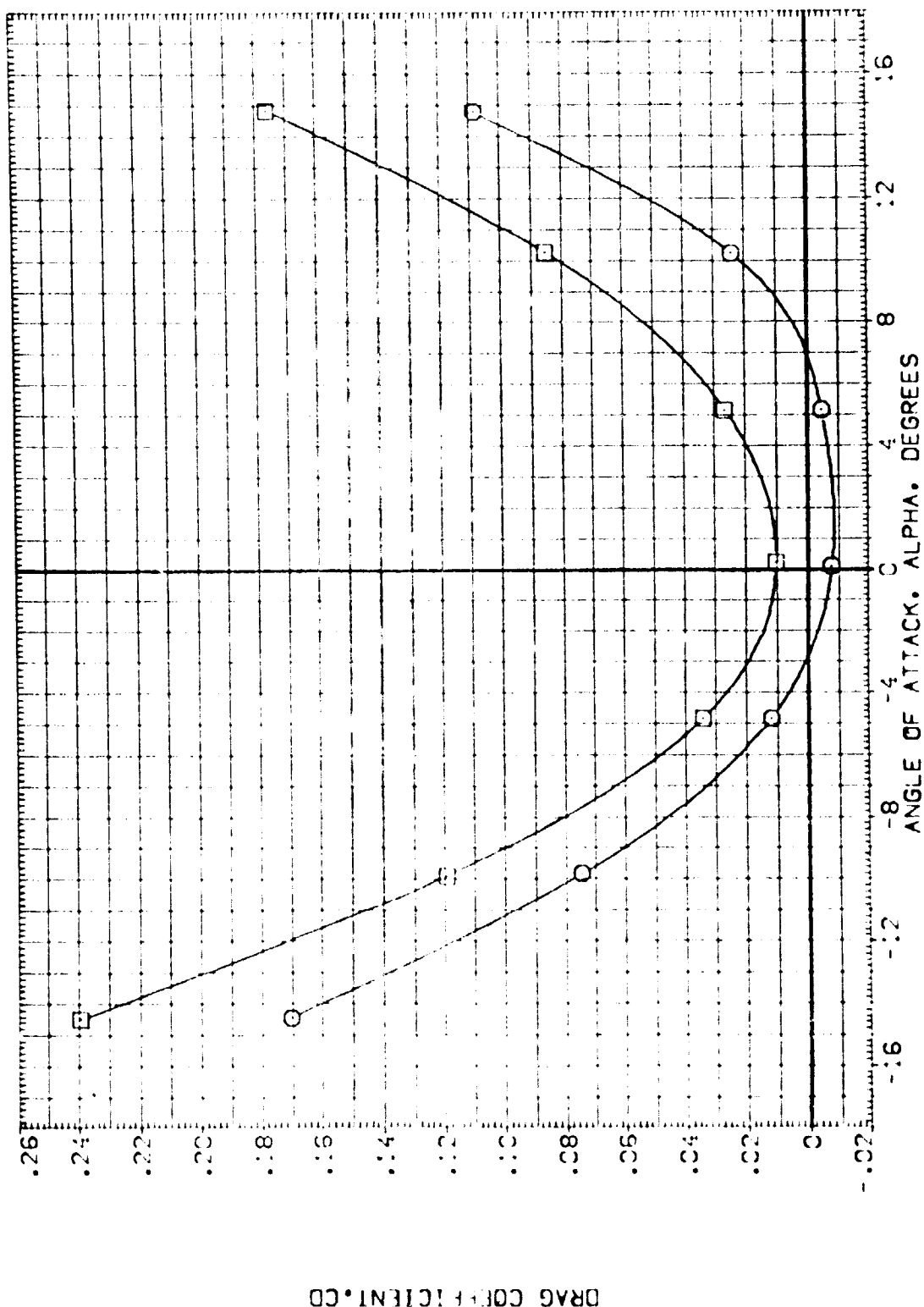


FIG. 9 B26 C9 F8 M7 N28 V8R5 W116 E26 • BETA = 0 • SPEED BRAKE = 55

5-10

ALP  
- 10.000  
- 10.000  
- 10.000

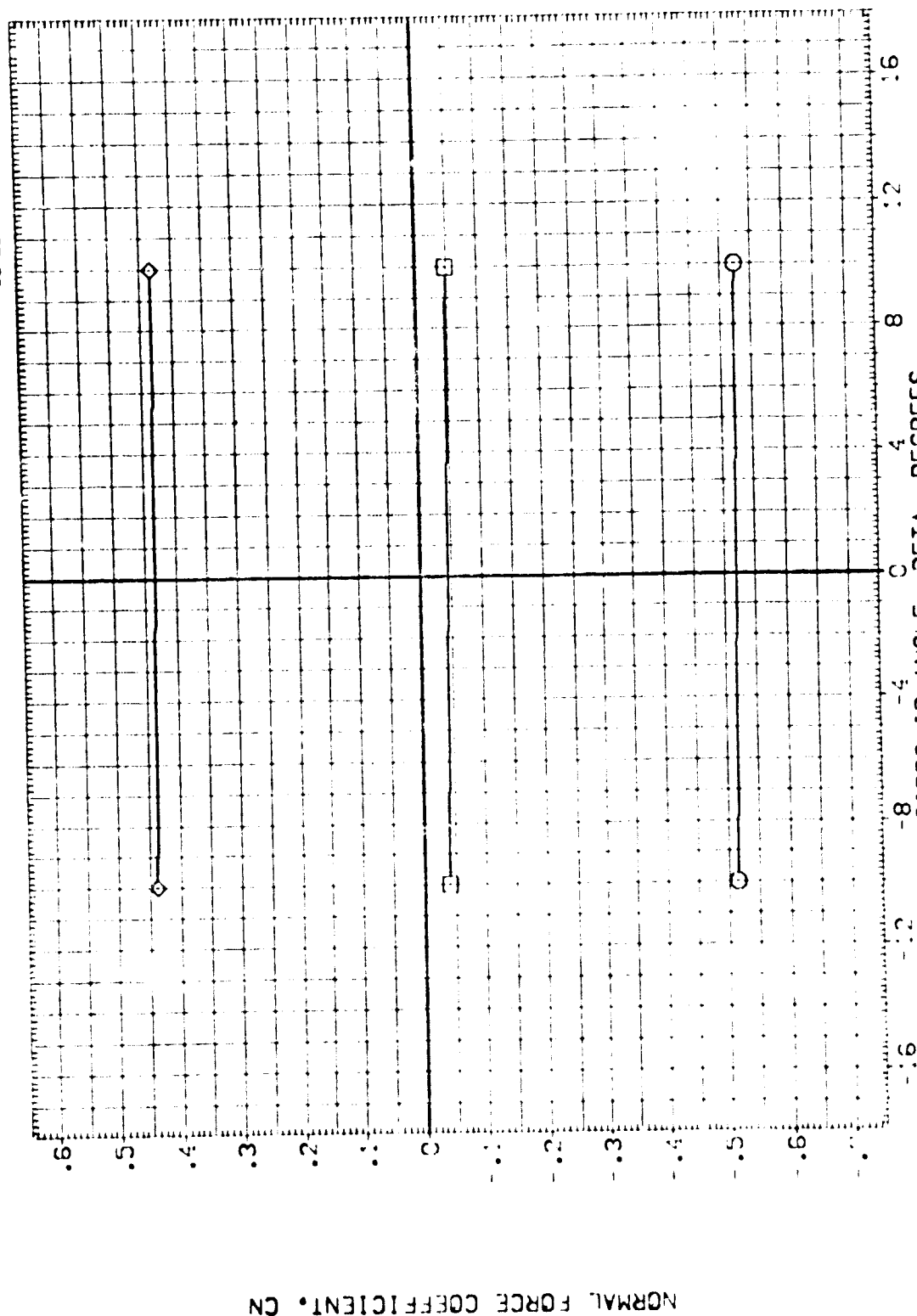
MAC-  
P-500EP

PARAMETRIC VALUES
.600 ENERGY
.000 SPONGE

888

REFERENCE INFORMATION

2.4210	50. FT.
38.7090	11.
38.7090	11.
35.5420	11.
.0000	11.
.0000	11.
.0300	11.



```

326 C9 F8 W7 N28 V8 RS W116 E26 . MACH = .6 . ELEVGN = 0
327 . :C

```



AMES 11-716 CA22A B26 C9 F8 M7 N28 V8R5 W116 E26 (182013)

SYMBOL

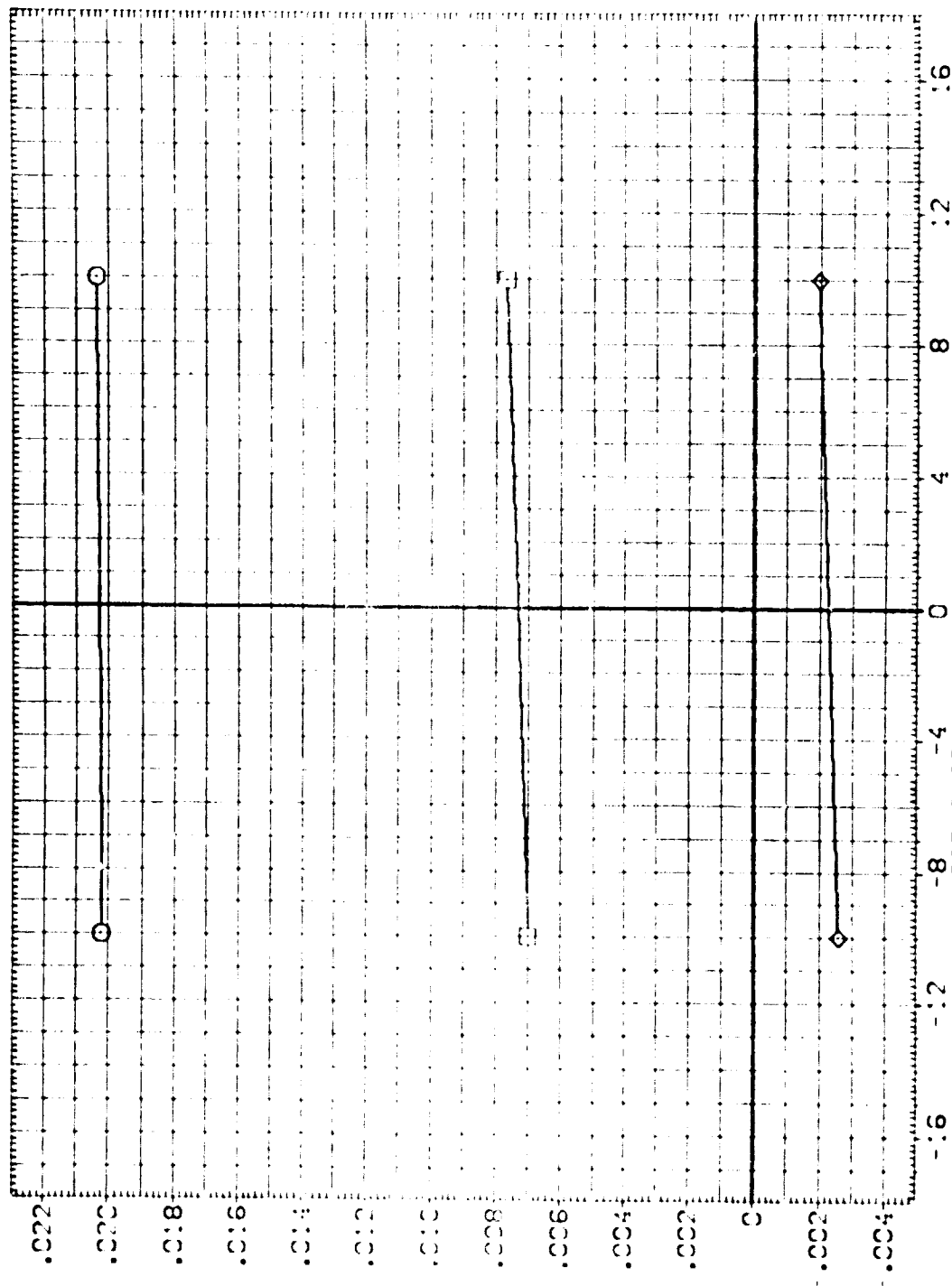
ALPHA  
-10.000  
.000  
10.000

MACH  
RUDER

PARAMETRIC VALUES  
.600 ELEVON  
.000 SPOON

.000

REFERENCE INFORMATION  
SREF 2.4210 SQ. FT.  
LREF 38.7090  
BREF 38.7090  
XMRP 25.5420  
YMRP .0000  
ZMRP .0000  
SCALE .0300



PITCHING MOMENT COEFFICIENT, CLM

FIG. 10 B26 C9 F8 M7 N28 V8 R5 W116 E26, MACH = .6, ELEVON = 0

AMES 11-7:6 CA22A 326 C9 F8 W7 N28 V8R5 W1:6 E26 (182013)

SYMBOL

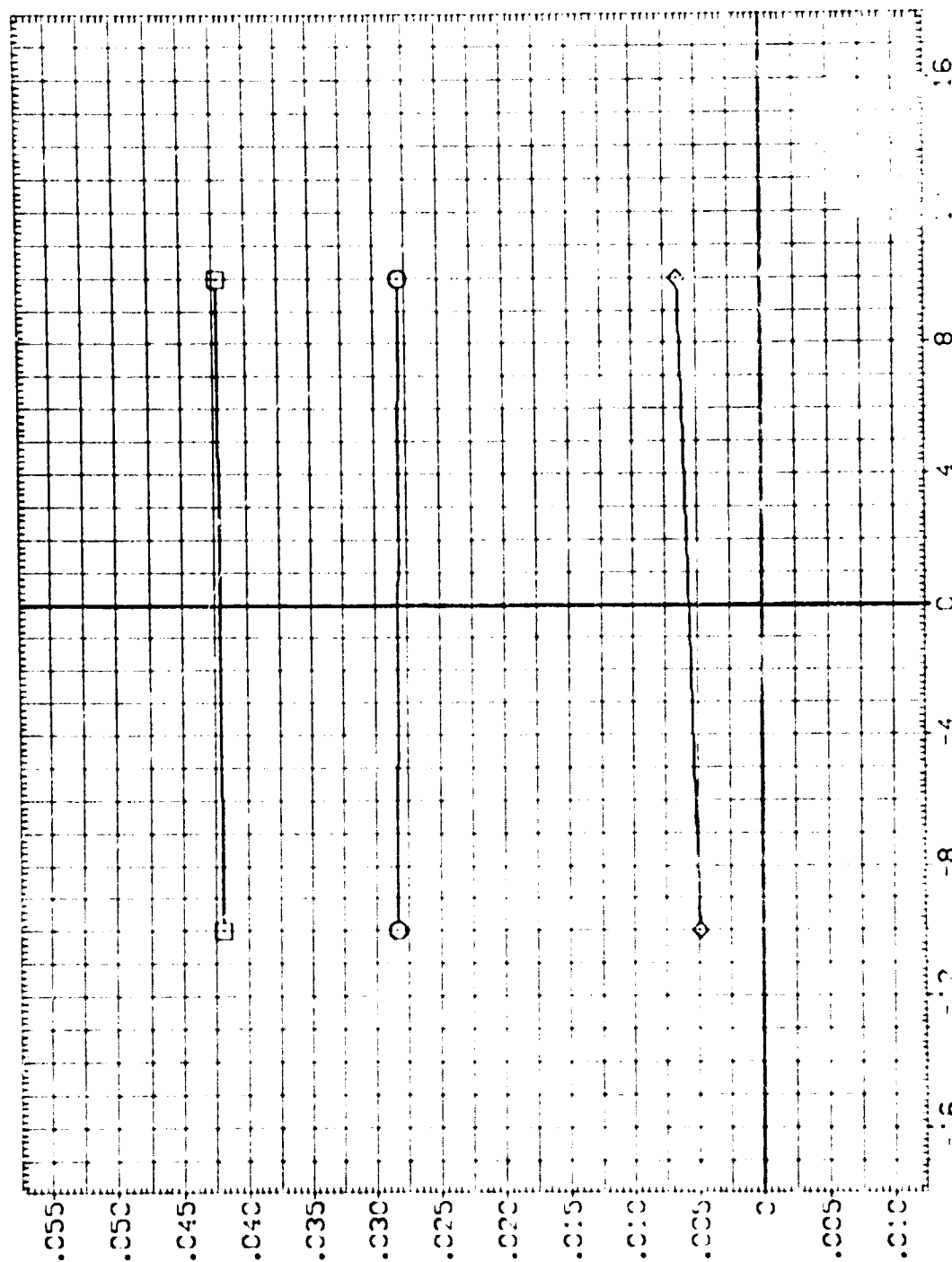
ALPHA  
-10.000  
.000  
10.000

MACH  
RUDER

PARAMETRIC VALUES  
.600 ELEVON  
.000 SPZBRX

.000  
.000

REFERENCE INFORMATION  
SREF 2.4210 SQ.FT.  
LREF 38.7090  
BREF 38.7090  
AMRP 25.5420  
YREF .0000  
ZREF .0000  
SCALE .0300



SIDESLIP ANGLE, BETA, DEGREES

FIG. 10 326 C9 F8 W7 N28 V8 R5 W1:6 E26 • MACH = .6 • ELEVON = 0



AVES 11-7:16 CA22A B26 C9 F8 M7 N28 V8R5 W1:6 E26(1B2013)

REFERENCE INFORMATION  
 SREF 2.4210  
 LREF 38.7090  
 BREF 38.7090  
 XREF 25.5420  
 YREF .0000  
 ZREF .0000  
 SCALE .0300

PARAMETRIC VALUES  
 ALPHA -10.000  
 MACH .600  
 ELEVON .000  
 SPDRM .000  
 RLODER .000

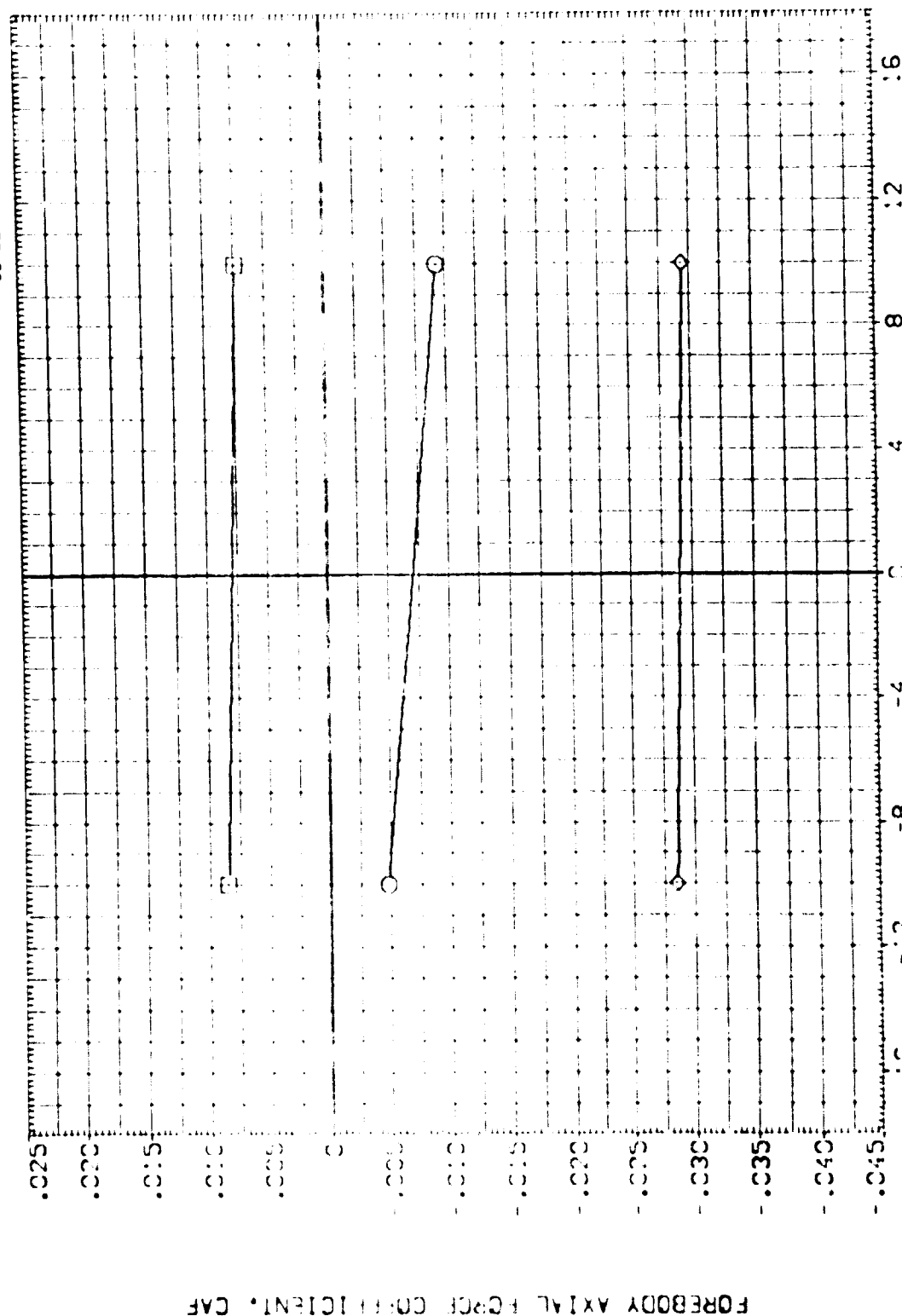


FIG. 10 B26 C9 F8 M7 N28 V8 R5 W1:6 E26, MACH = .6, ELEVON = 0

AMES 11-716 0A22A 926 C9 F8 M7 N28 V8R5 W116 E26(192013)

SYMBOL ALPHA MACH REEFER VALUES  
 ○ -10.000 .600 ELEVON .000  
 ◇ .000 .000 SPOON .000  
 ○ 10.000

REFERENCE INFORMATION  
 SREF 2.4210 SQ.FT.  
 LREF 38.7050  
 BREF 38.7050  
 XREF 25.5420  
 YREF .0000  
 ZREF .0000  
 SCALE .0300

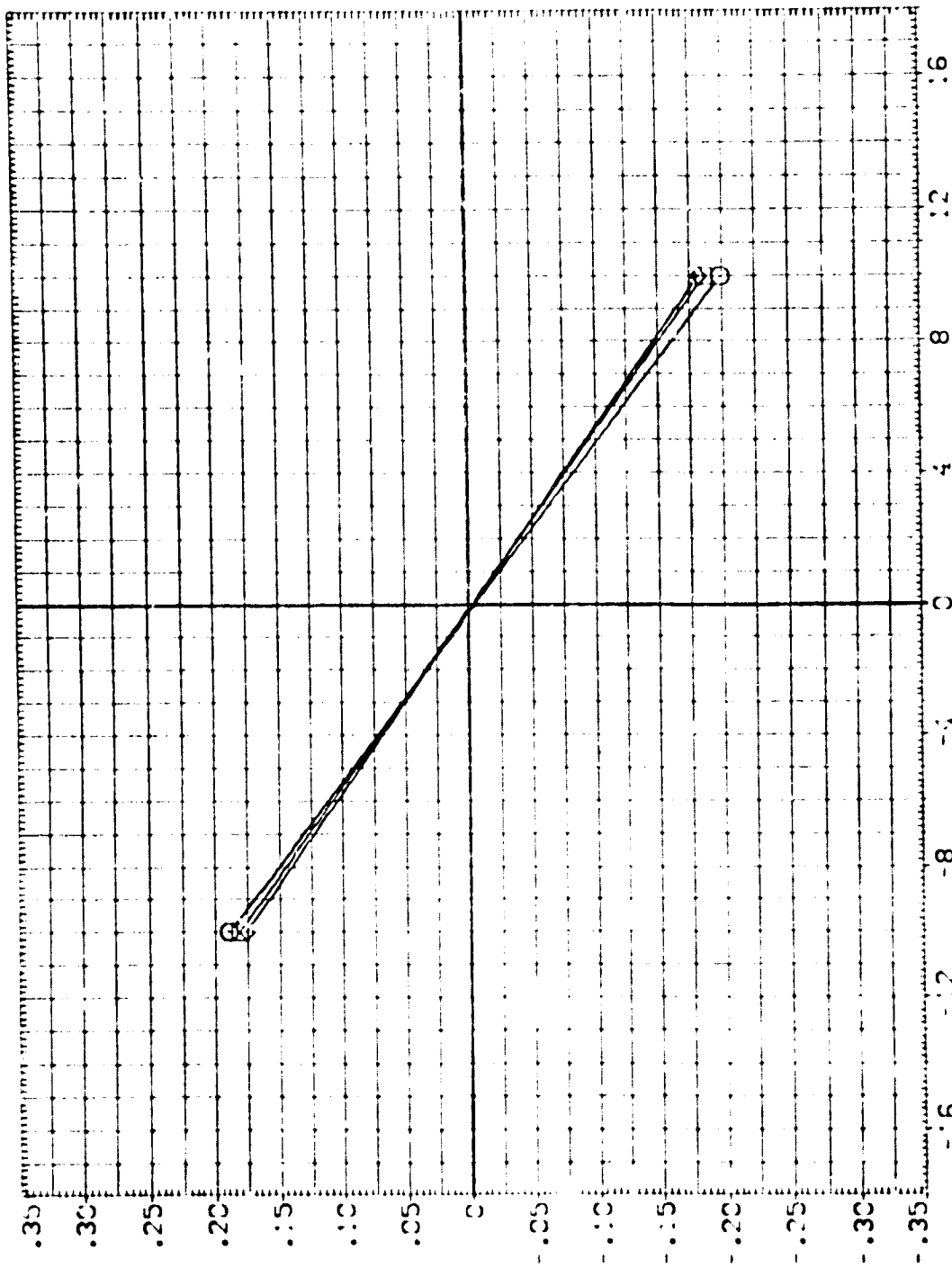


FIG. 10 326 C9 F8 M7 N28 V8 R5 W116 E26 . MACH = .6 . ELEVON = 0

AMES 11-716 CA22A B26 C9 F8 M7 N28 V8R5 W116 E26 (IB2013)

SYMBOL  
 ○ □ ◇

ALPHA  
 -10.000  
 .000  
 10.000

MACH  
 .600  
 .000

RUDER  
 ELEVON  
 SPOILER

REFERENCE INFORMATION  
 SREF 2.4210  
 LREF 38.7090  
 BREF 38.7090  
 XMRP 23.5420  
 YMRP .0000  
 ZMRP .0000  
 SCALE .0300

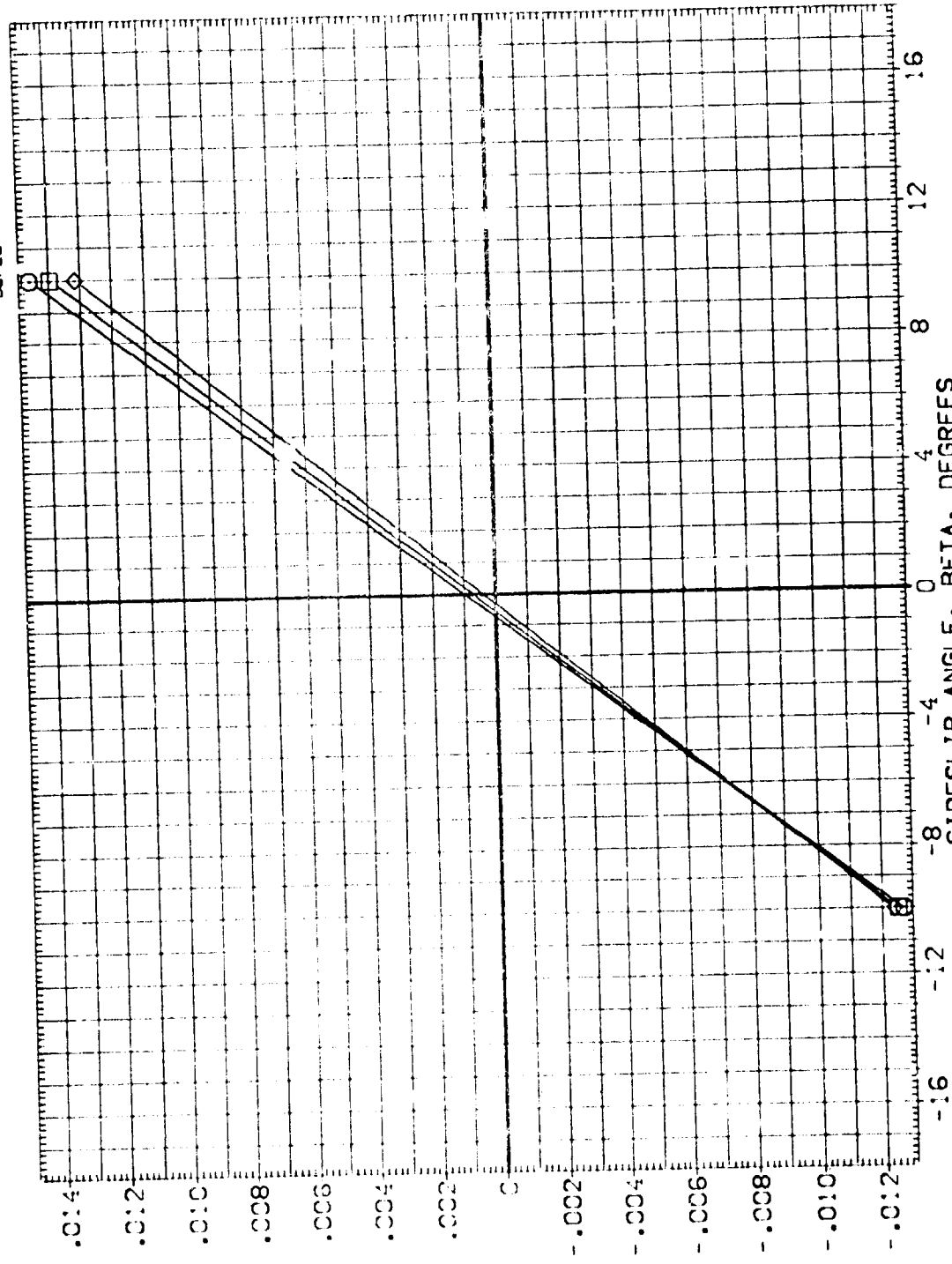


FIG. 10 B26 C9 F8 M7 N28 V8 R5 W116 E26 , MACH = .6 , ELEVON = 0



AMES 11-716 0A22A B26 C9 F8 M7 N28 V8R5 W116 E26(I82013)

SYMBOL  
◇

ALPHA  
-10.000  
.000  
10.000

MACH  
RUDDER

PARAMETRIC VALUES  
.600  
.000  
ELEVON  
SPDRK

.000  
.000

REFERENCE INFORMATION  
SREF 2.4210 SQ.FT.  
LREF 38.7090  
BREF 38.7090  
XMRP 25.5420  
YMRP .0000  
ZMRP .0000  
SCALE .0300

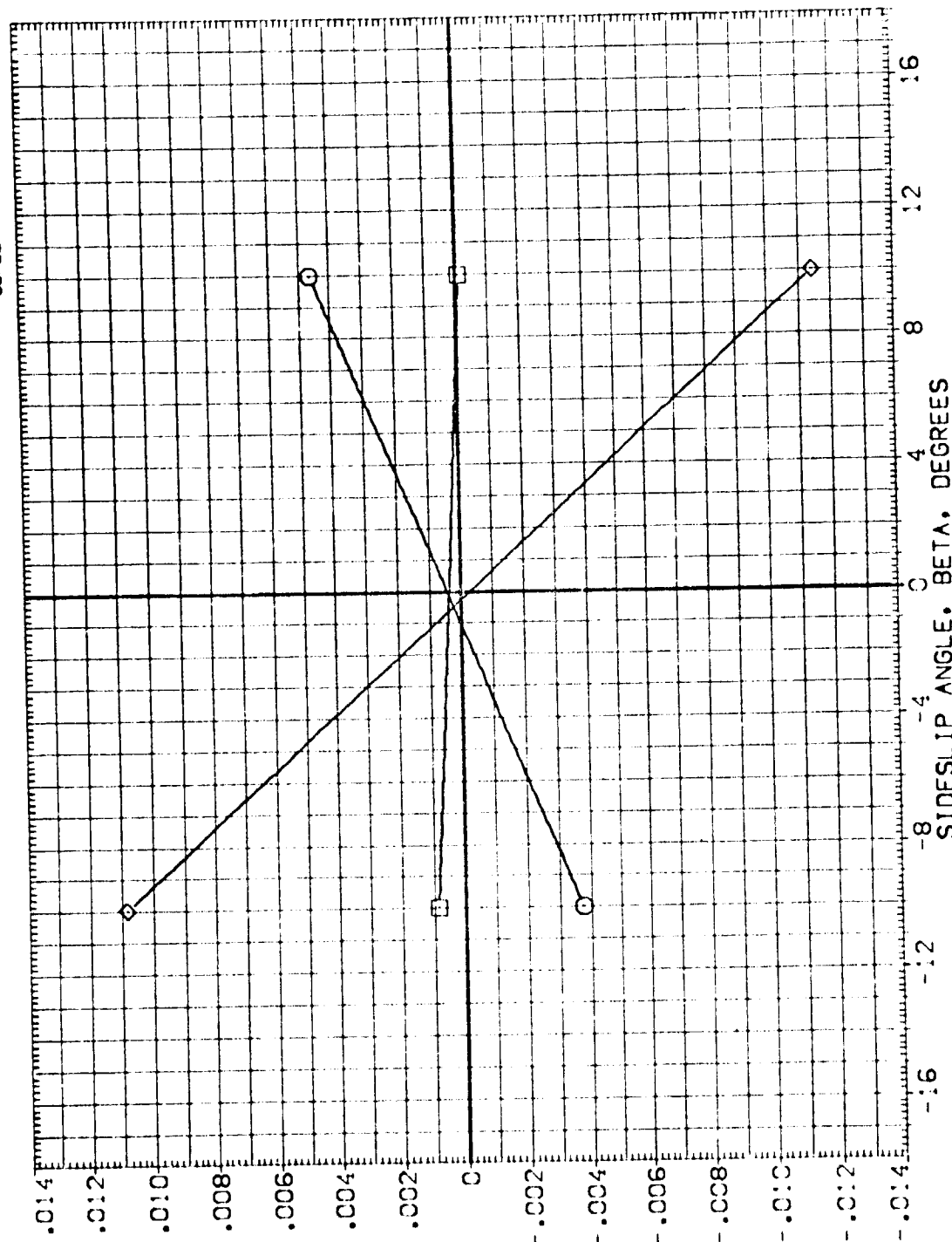


FIG. 10 B26 C9 F8 M7 N28 V8 R5 W116 E26 , MACH = .6 , ELEVON = 0

AMES 11-7:16 CA22A B26 C9 F8 M7 N28 V8R5 W116 E26(1B2013)

SYMBOL	PARAMETRIC VALUES		REFERENCE INFORMATION	
	ALPHA	MACH	SREF	50.FT.
○	-10.000	.600	LREF	IN.
□	.000	.000	BREF	IN.
◇	10.000	.000	YREF	IN.
			ZREF	IN.
			SCALE	.0300

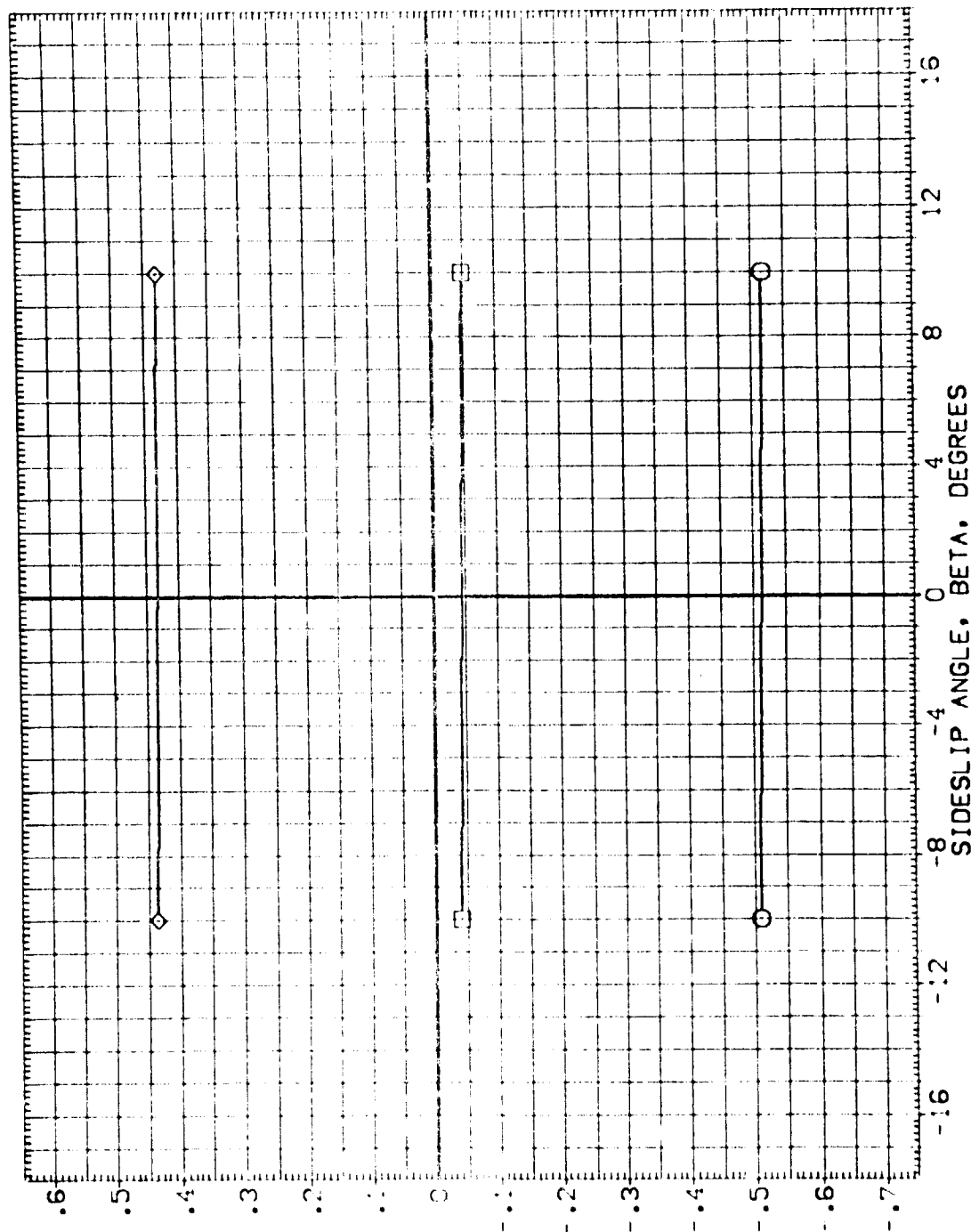


FIG. 10 B26 C9 F8 M7 N28 V8 R5 W116 E26 , MACH = .6 , ELEVON = 0



AMES 11-716 0A22A B26 C9 F8 M7 N28 V8R5 W116 E26 (IB2013)

SYMBOL  
 ○  
 ◇  
 □

ALPHA  
 -10.000  
 .000  
 10.000

PARAMETRIC VALUES  
 MACH .000  
 RUDDER .000  
 ELEVON .000  
 SPOBRK .000

REFERENCE INFORMATION  
 SREF 2.4210 SQ.FT.  
 LREF 38.7090 IN.  
 BREF 38.7090 IN.  
 YMRP 25.5420 IN.  
 YMRP .0000 IN.  
 ZMRP .0000 IN.  
 SCALE .0300

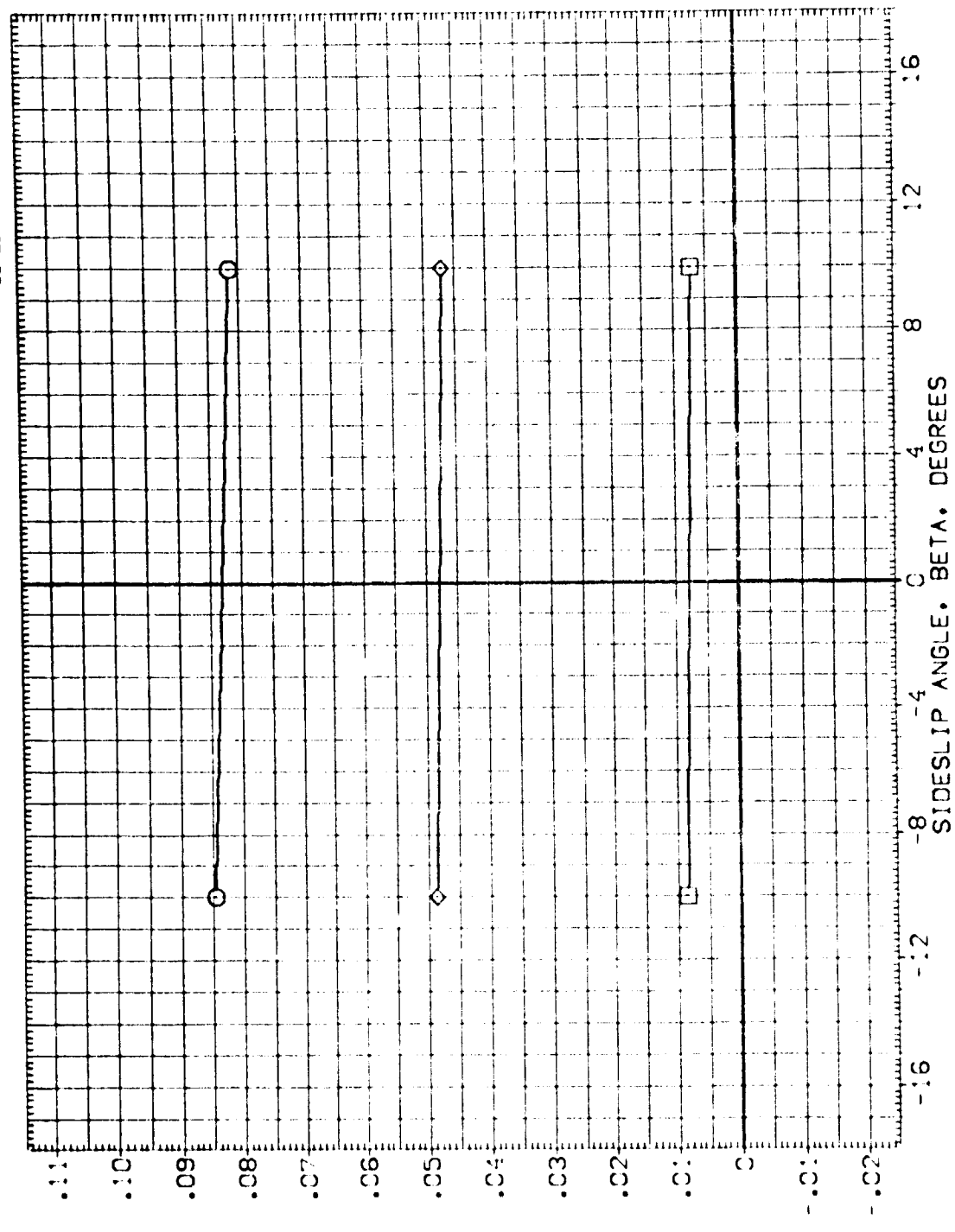


FIG. 10 B26 C9 F8 M7 N28 V8 R5 W116 E26, MACH = .6, ELEVON = 0

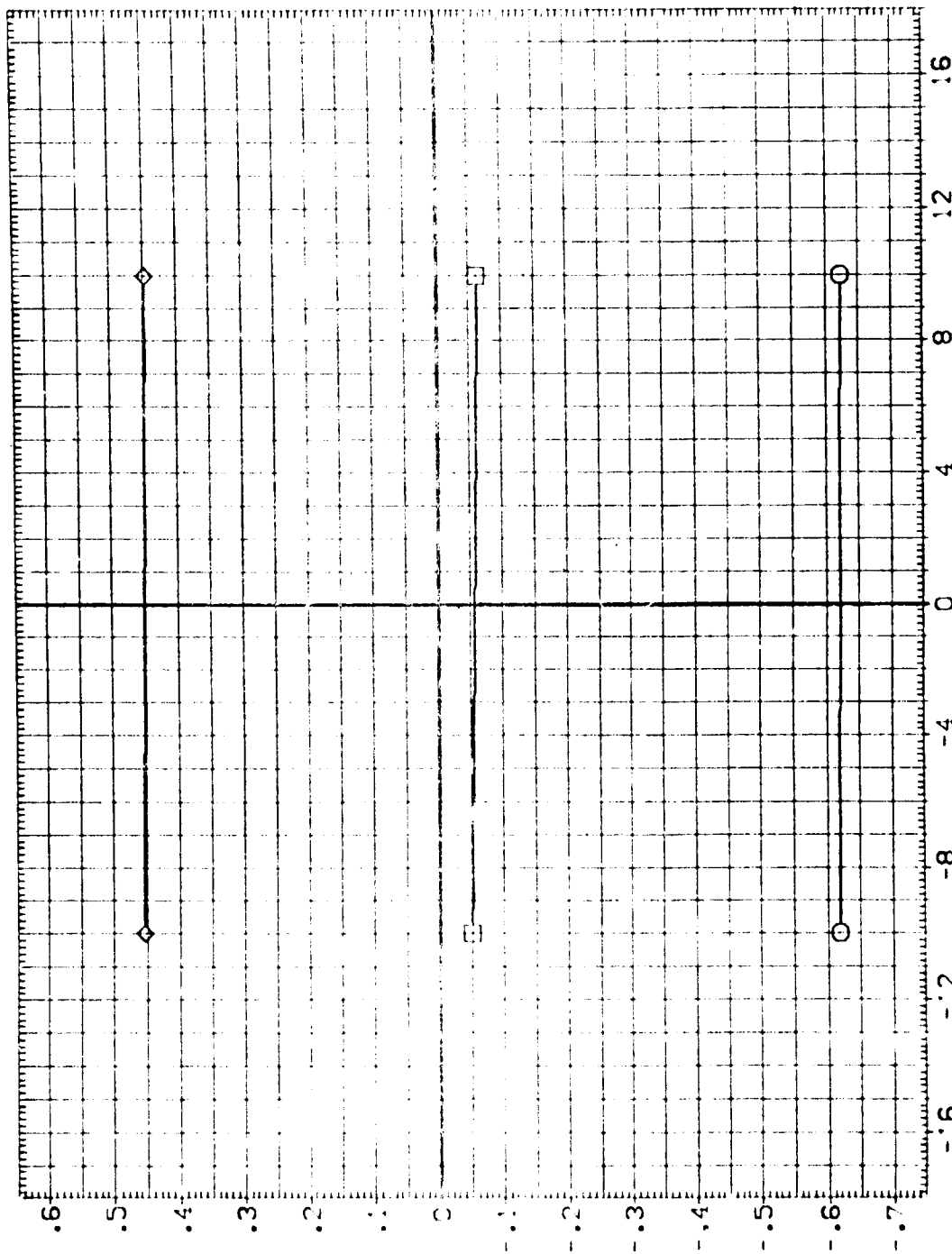
AMES 11-716 0A22A B26 C9 F8 M7 N28 V8R5 W116 E26 (1B2014)

SYMBOL  
○ □ ◇

ALPHA  
-10.000  
.000  
10.000

PARAMETRIC VALUES  
MACH .000  
ELEVON .000  
RUDDER .000  
SPOBRK .000

REFERENCE INFORMATION  
SREF 2.4210 50.FT.  
LREF 38.7090 IN.  
BREF 38.7090 IN.  
XMRP 25.5420 IN.  
YMRP .0000 IN.  
ZMRP .0000 IN.  
SCALE .0300



NORMAL FORCE COEFFICIENT, CN

SIDESLIP ANGLE, BETA, DEGREES

FIG. 11 B26 C9 F8 M7 N28 V8 R5 W116 E26, MACH = .9, ELEVON = 0



AMES 11-716 0A22A B26 C9 F8 M7 N28 V8R5 W116 E26(182014)

SYMBOL  
 O  
 ◇

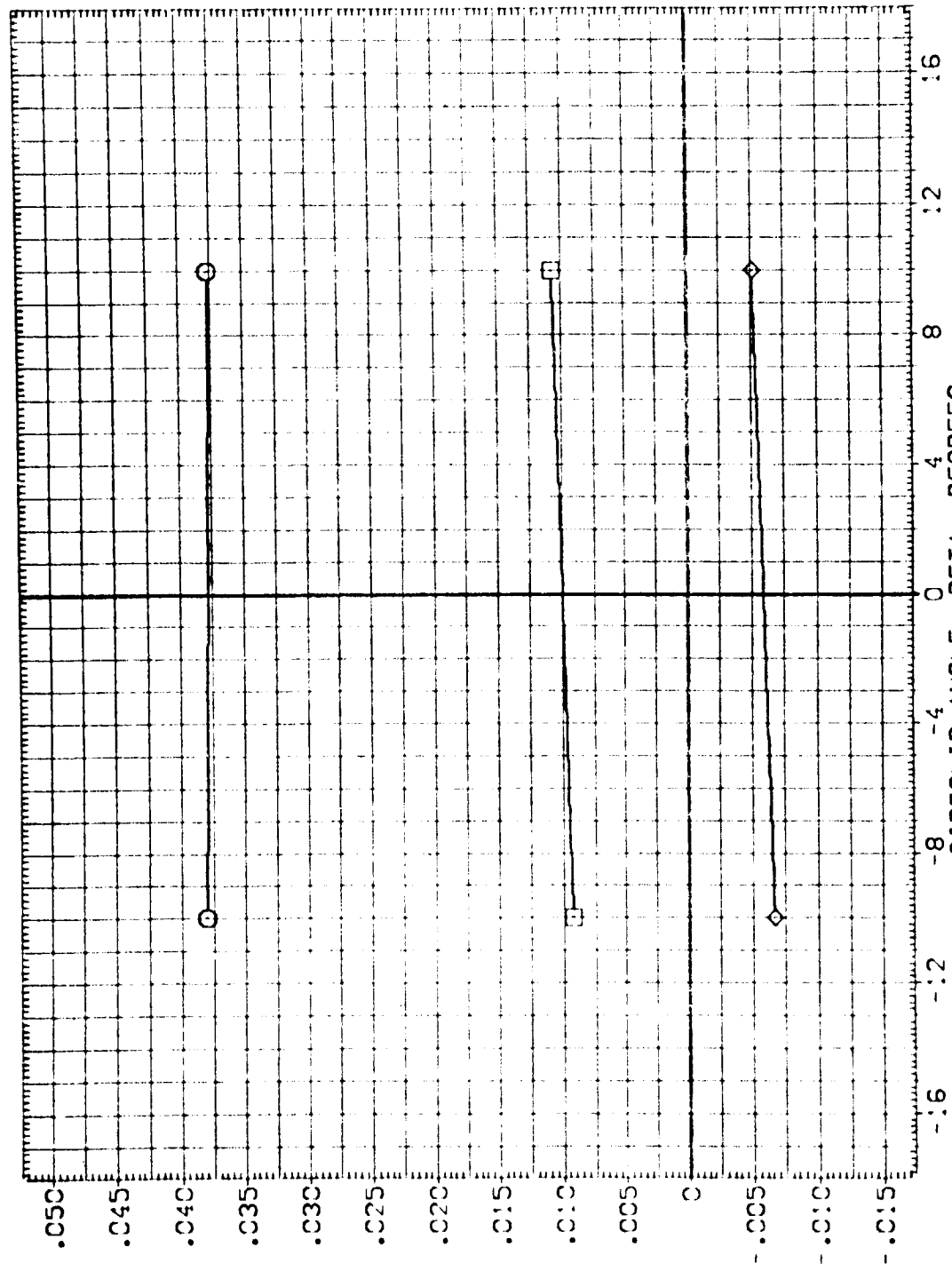
ALPHA  
 -10.000  
 .000  
 10.000

MACH  
 .905  
 .000  
 .000

PARAMETRIC VALUES  
 ELEVON  
 .000  
 .000  
 .000

SPDRX  
 .000  
 .000  
 .000

REFERENCE INFORMATION  
 SREF 2.4210 SQ.FT.  
 LREF 38.7090 IN.  
 BREF 38.7090 IN.  
 XMRP 25.5420 IN.  
 YMRP .0000 IN.  
 ZMRP .0000 IN.  
 SCALE .0300



PITCHING MOMENT COEFFICIENT, CLM

SIDELIP ANGLE, BETA, DEGREES

FIG. 11 B26 C9 F8 M7 N28 V8 R5 W116 E26, MACH = .9, ELEVON = 0



AMES 11-716 CA22A B26 C9 F8 M7 N28 V8R5 W116 E26(1B2014)

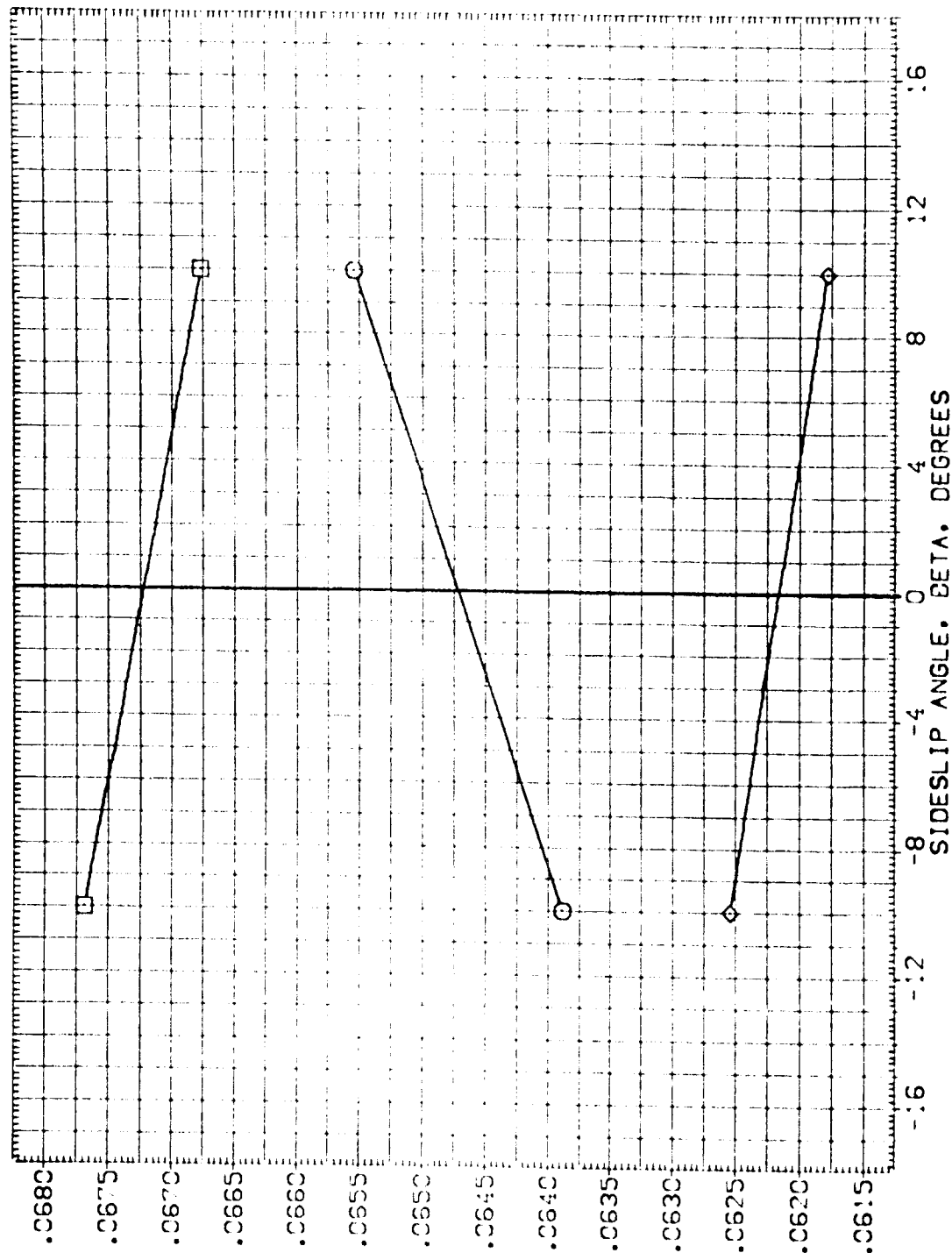
SYMBOL  
○  
◇

ALPHA  
-10.000  
.000  
10.000

MACH  
RUDDER

PARAMETRIC VALUES  
.905  
.000  
.000  
ELEVON  
SPDRK

REFERENCE INFORMATION  
SREF 2.4210 SQ.FT.  
LREF 38.7090 IN.  
BREF 38.7090 IN.  
XMRP 25.5420 IN.  
YMRP .0000 IN.  
ZMRP .0000 IN.  
SCALE .0300



AXIAL FORCE COEFFICIENT, CA

SIDESLIP ANGLE, BETA, DEGREES

FIG. 11 B26 C9 F8 M7 N28 V8 R5 W116 E26 . MACH = .9 . ELEVON = 0



AMES 11-716 0A22A 926 C9 F8 M7 N28 V8R5 W116 E26(1B2014)

SYMBOL	PARAMETRIC VALUES		REFERENCE INFORMATION	
	ALPHA	MACH	SREF	SO.FT.
○	-10.000	.905	LREF	38.7090
◇	10.000	.900	BREF	38.7090
			XMRP	25.5420
			YMRP	.0000
			ZMRP	.0000
			SCALE	.0300

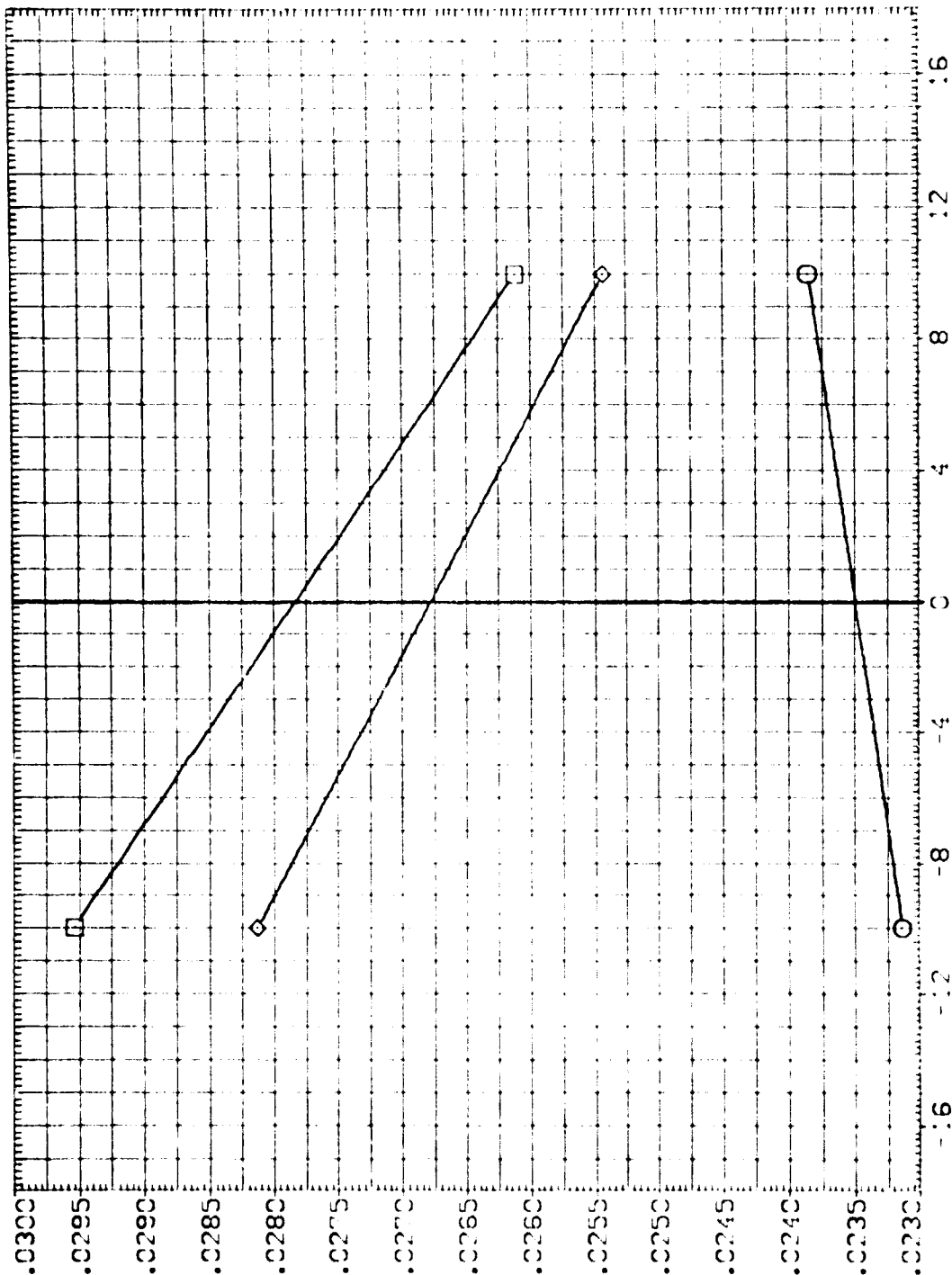


FIG. 11 926 C9 F8 M7 N28 V8 R5 W116 E26 , MACH = .9 , ELEVON = 0

AMES 11-7:16 CA22A 326 C9 F8 M7 N28 V8R5 W116 E26(1820:14)

SYMBOL

ALPHA  
-10.000  
.000  
10.000

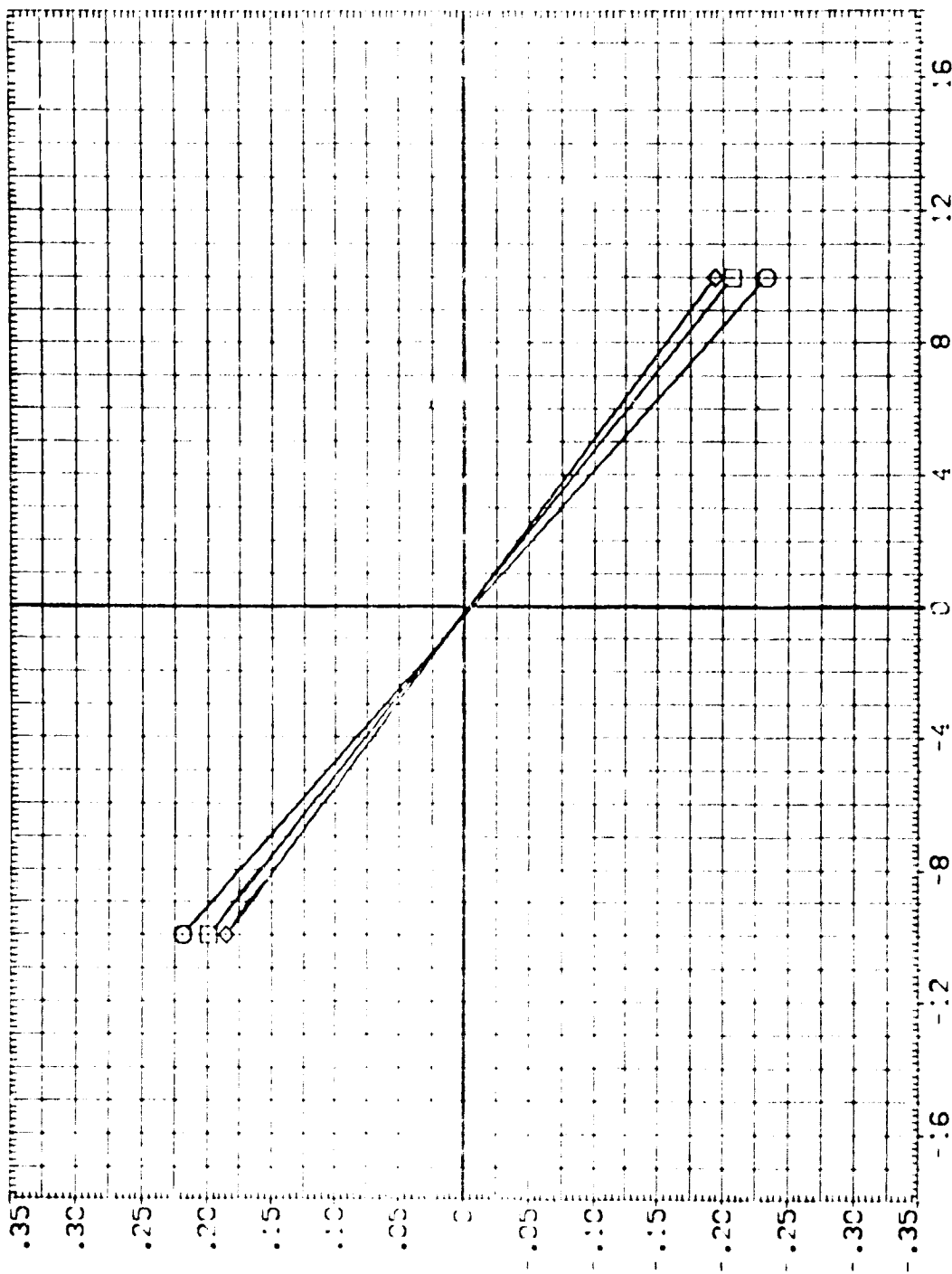
MACH  
RUDDER

PARAMETRIC VALUES  
.905 ELEVON  
.000 SPOILER

.000  
.000

REFERENCE INFORMATION

SREF 2.4210  
LREF 38.7090  
BREF 38.7090  
XREF 25.5420  
YREF .0000  
ZREF .0000  
SCALE .0300



SIDE FORCE COEFFICIENT, CY

FIG. 11 B26 C9 F8 M7 N28 V8 R5 W116 E26, MACH = .9, ELEVON = 0



AVES 11-7:16 0A22A 326 C9 F8 M7 N28 V8R5 W116 E26(1B2014)

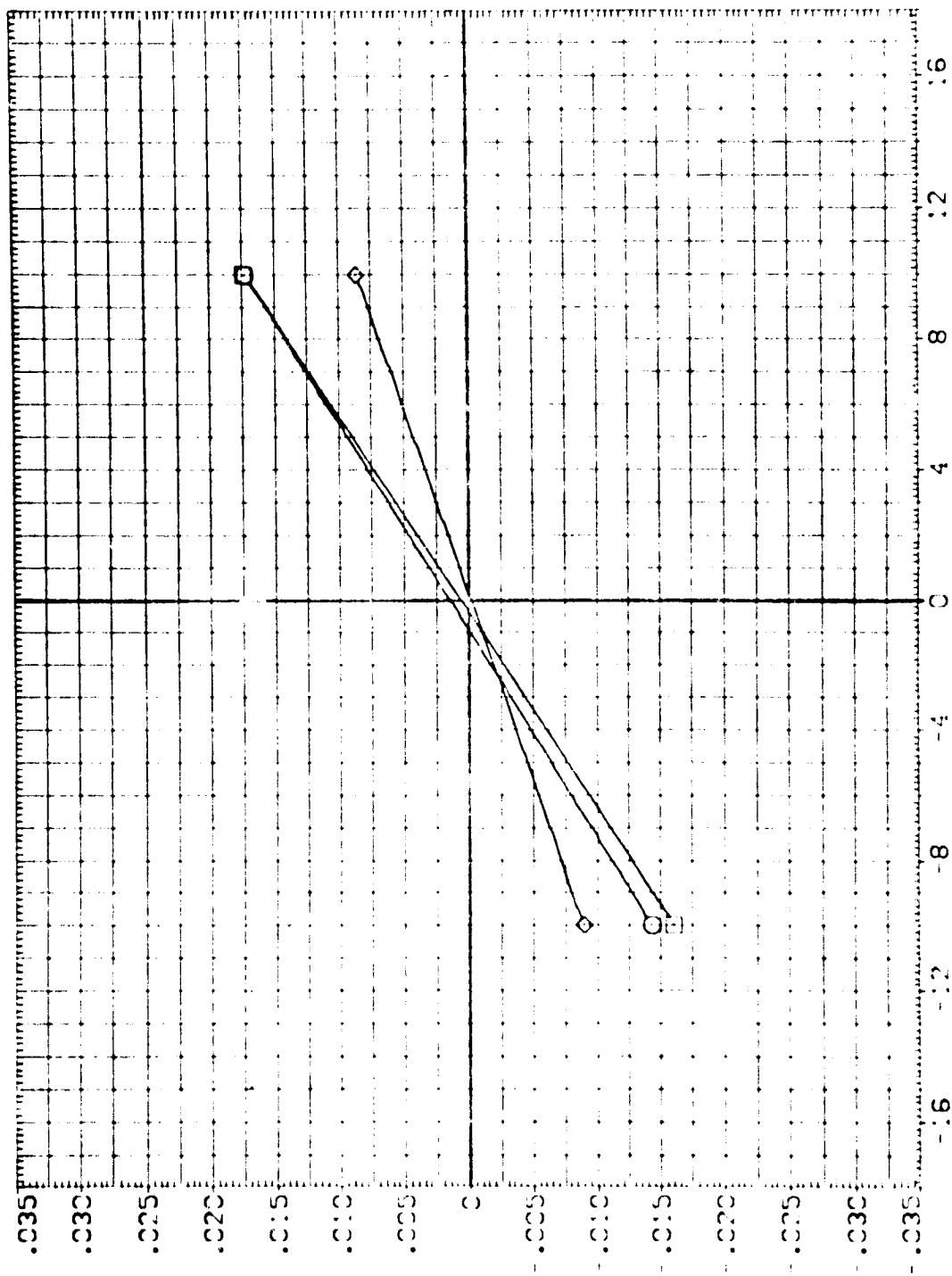
SYMBOL  
O  
◇

ALPHA  
-10.000  
.000  
10.000

MACH  
RJ00R

PARAMETRIC VALUES  
.905 ELEVON  
.000 SPDRK  
.000

REFERENCE INFORMATION  
SREF 2.4210 SQ.FT.  
LREF 38.7050 IN.  
BREF 38.7050 IN.  
XMRP 25.5420 IN.  
YMRP .0000 IN.  
ZMRP .0000 IN.  
SCALE .0300



YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

FIG. 11 326 C9 F8 M7 N28 V8 R5 W116 E26, MACH = .9, ELEVON = 0

AMES 11-7:6 C422A 326 C9 F8 M7 N28 V8R5 W116 E26(182014)

SYMBOL  
○ □

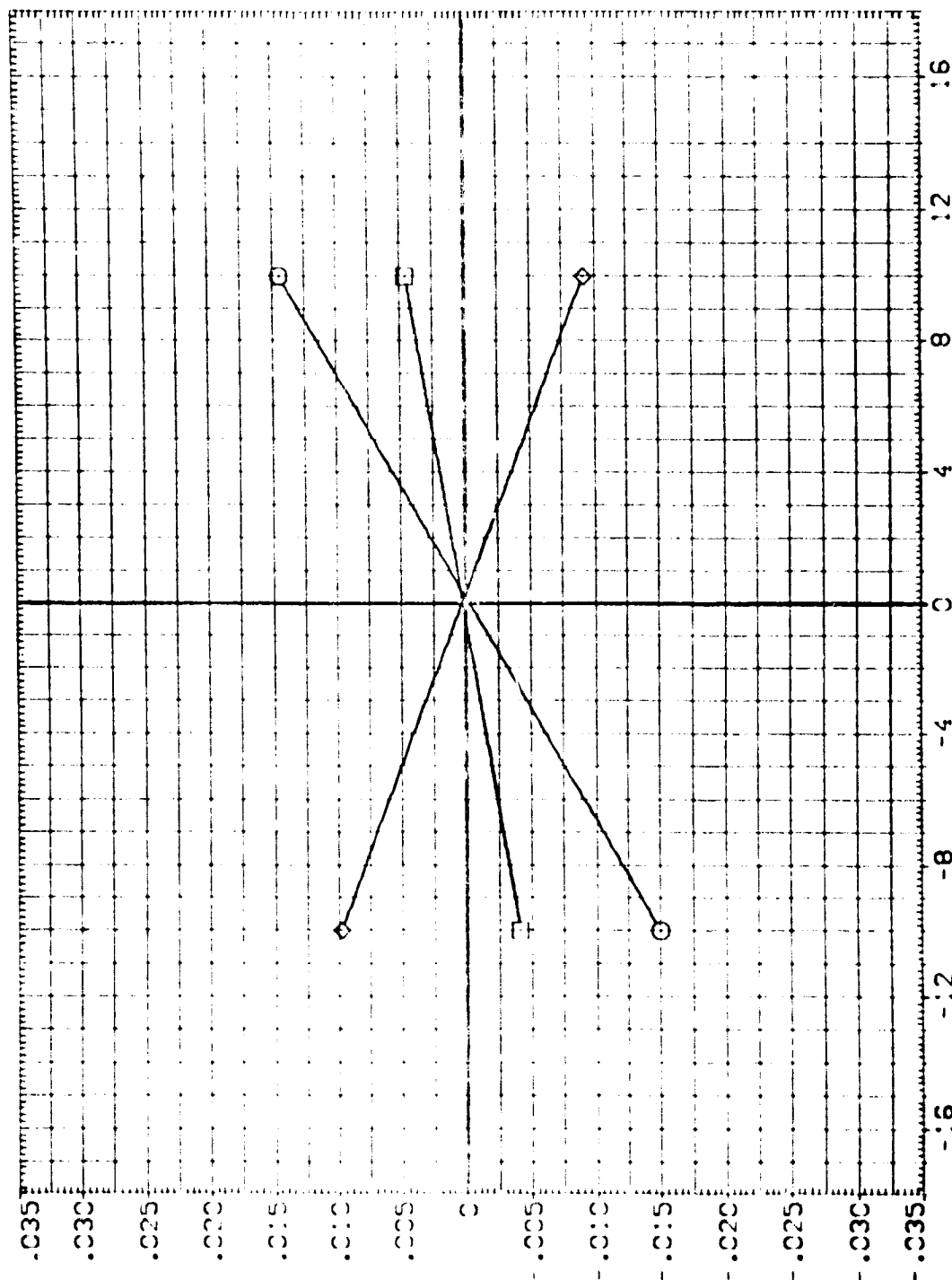
ALPHA  
-10.000  
.000  
10.000

MACH  
R-000R

PARAMETRIC VALUES  
.905 ELEVON  
.000 SPOBRK

.000  
.000

REFERENCE INFORMATION  
SREF 2.4210  
LREF 38.7080  
BREF 38.7050  
XPRP 25.5420  
YPRP .0000  
ZPRP .0000  
SCALE .0300



ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

FIG. 11 826 C9 F8 M7 N28 V8 R5 W116 E26, MACH = .9, ELEVON = 0



AMES 11-7:16 CA22A B26 C9 F8 M7 N28 V8R5 W116 E26 (1B2014)

SYMBOL ALPHA  
 O -10.000  
 □ .000  
 ◇ 10.000

PARAMETRIC VALUES  
 MACH .000  
 RUDDER .000  
 ELEVON .000  
 SPOBRK .000

REFERENCE INFORMATION  
 SREF 2.4210 SQ.FT.  
 LREF 38.7050 IN.  
 BREF 38.7050 IN.  
 XPRP 29.5420 IN.  
 YPRP .0000 IN.  
 ZPRP .0000 IN.  
 SCALE .0300

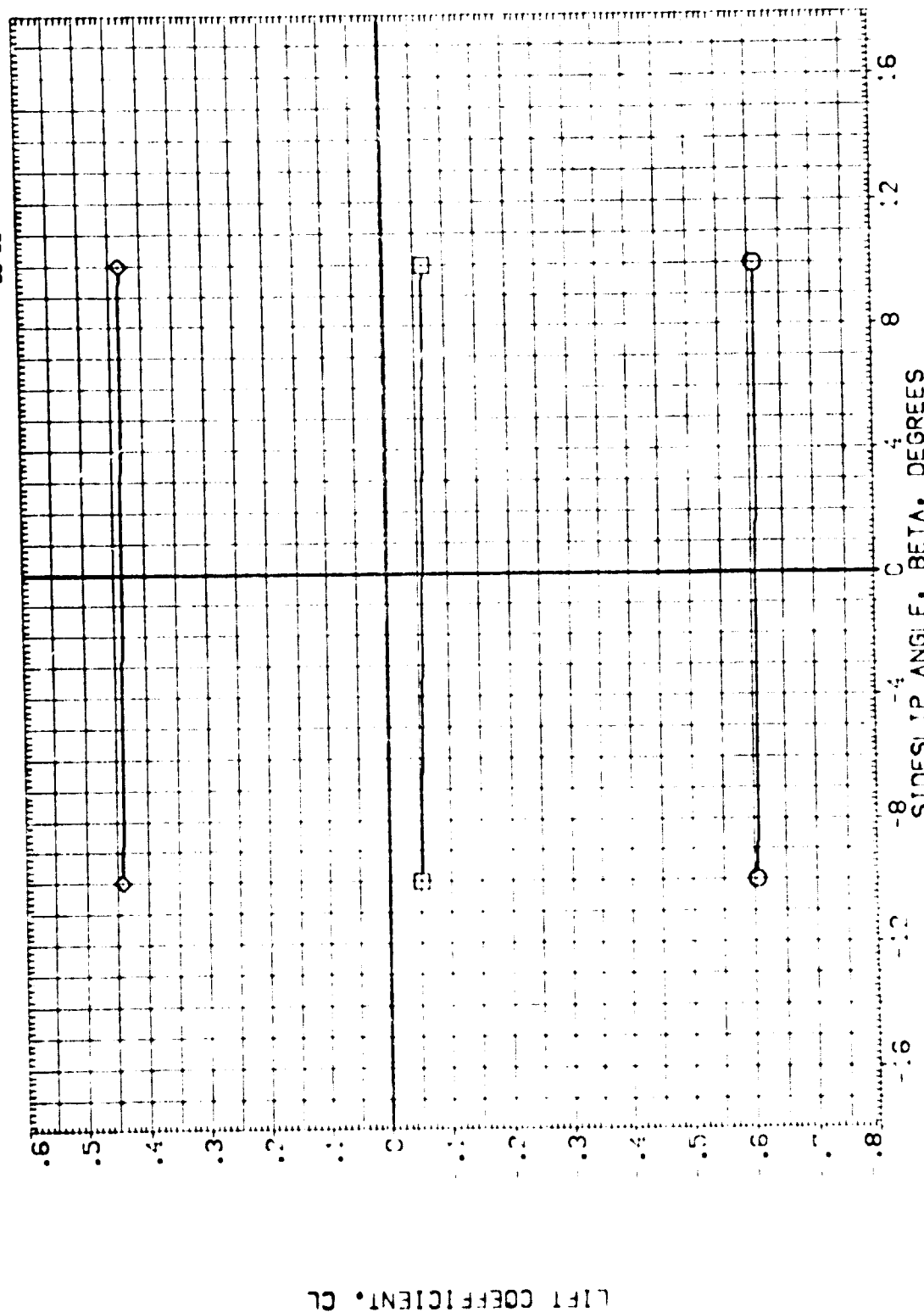


FIG. 11 B26 C9 F8 M7 N28 V8 R5 W116 E26, MACH = .9, ELEVON = 0

AMES 11-716 CA22A B26 C9 F8 M7 N28 V8R5 W116 E26 (132014)

SYMBOL  
○  
◇

ALPHA  
-10.000  
.000  
10.000

MACH  
RLOOR

PARAMETRIC VALUES  
.905 ELEVON  
.000 SPOON

.000  
.000

REFERENCE INFORMATION  
SPREF 2.4210 50. FT.  
LRREF 38.7080  
BRREF 38.7080  
XMRD 25.5420  
YMRD .0000  
ZMRD .0000  
SCALE .0300

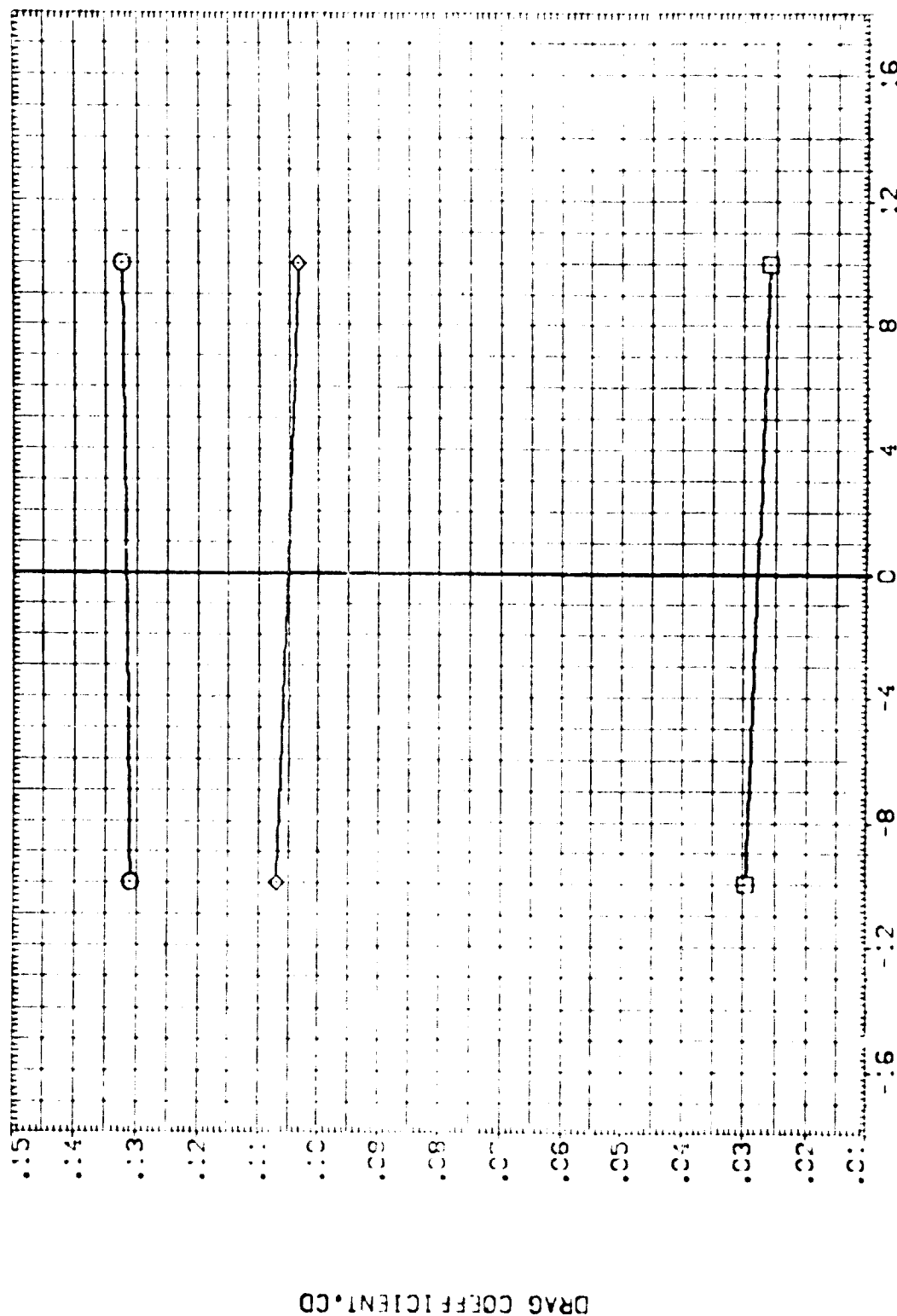


FIG. 11 B26 C9 F8 M7 N28 V8 R5 W116 E26, MACH = .9, ELEVON = 0



AMES 11-716 CA22A B26 C9 F8 M7 N28 V8R5 W116 E26(182015)

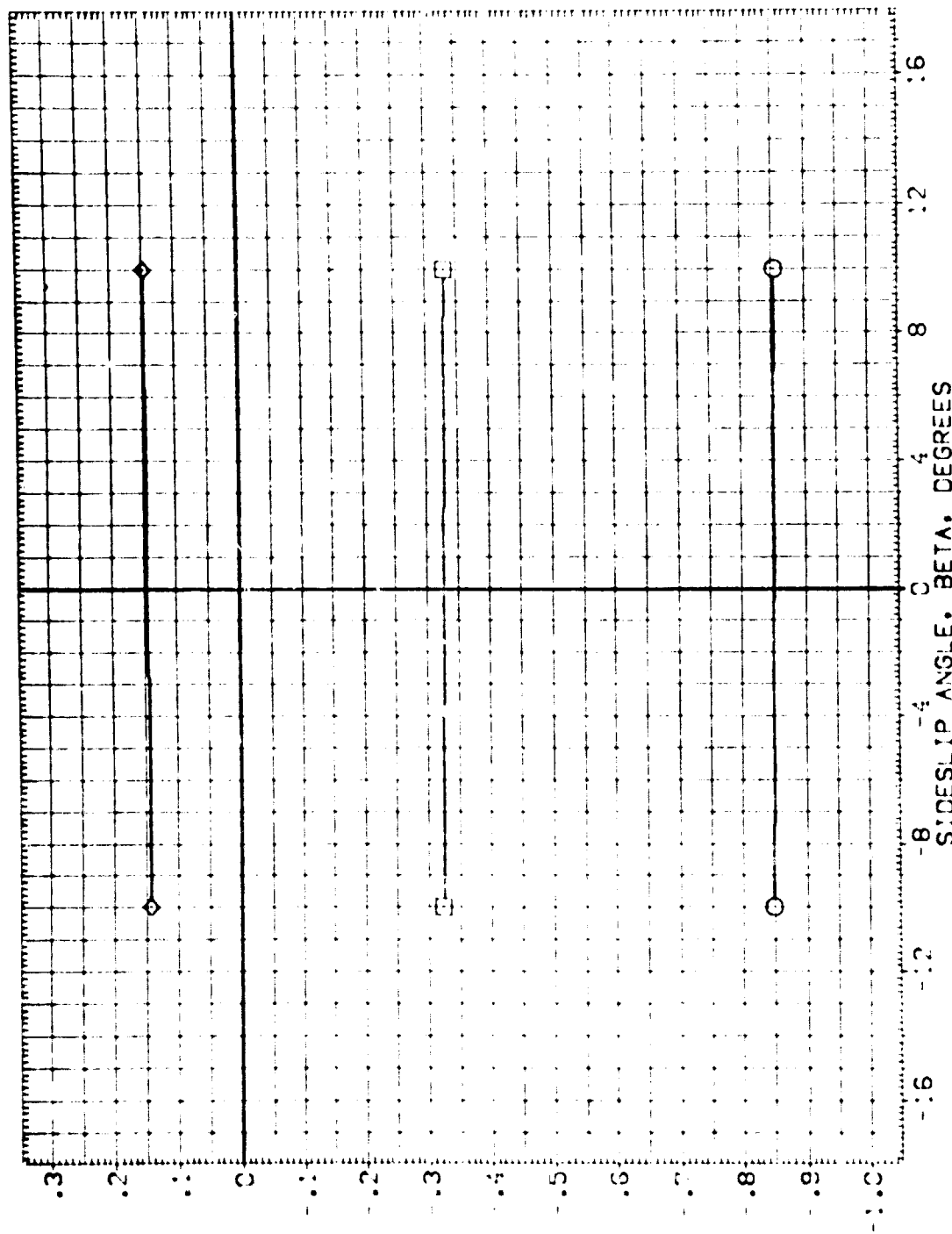
SYMB  
O  
◇

ALPHA  
-10.000  
.000  
10.000

MACH  
RLOOR

PARAMETRIC VALUES  
.597 ELEVON  
.000 SPOBRK  
-20.000

REFERENCE INFORMATION  
SREF 2.4210 SQ.FT.  
LREF 38.7050 IN.  
BREF 38.7050 IN.  
XMRP 25.5420 IN.  
YMRP .0000 IN.  
ZMRP .0000 IN.  
SCALE .0300



NORMAL FORCE COEFFICIENT, CN

FIG. 12 B26 C9 F8 M7 N28 V8 R5 W116 E26, MACH = .6, ELEVON = -20



AMES 11-716 CA22A B26 C9 F8 M7 N28 V8R5 W116 E26 (IB2015)

SYMBOL  
O  
◇  
◇

ALPHA  
-10.000  
.000  
10.000

MACH  
RUDDER

PARAMETRIC VALUES  
.597  
.000  
.000

ELEVON  
SPDRK  
-20.000  
.000

REFERENCE INFORMATION  
SQ. FT.  
SREF 2.4210  
LREF 38.7090  
BREF 38.7090  
XMRP 25.5420  
YMRP .0000  
ZMRP .0000  
SCALE .0300

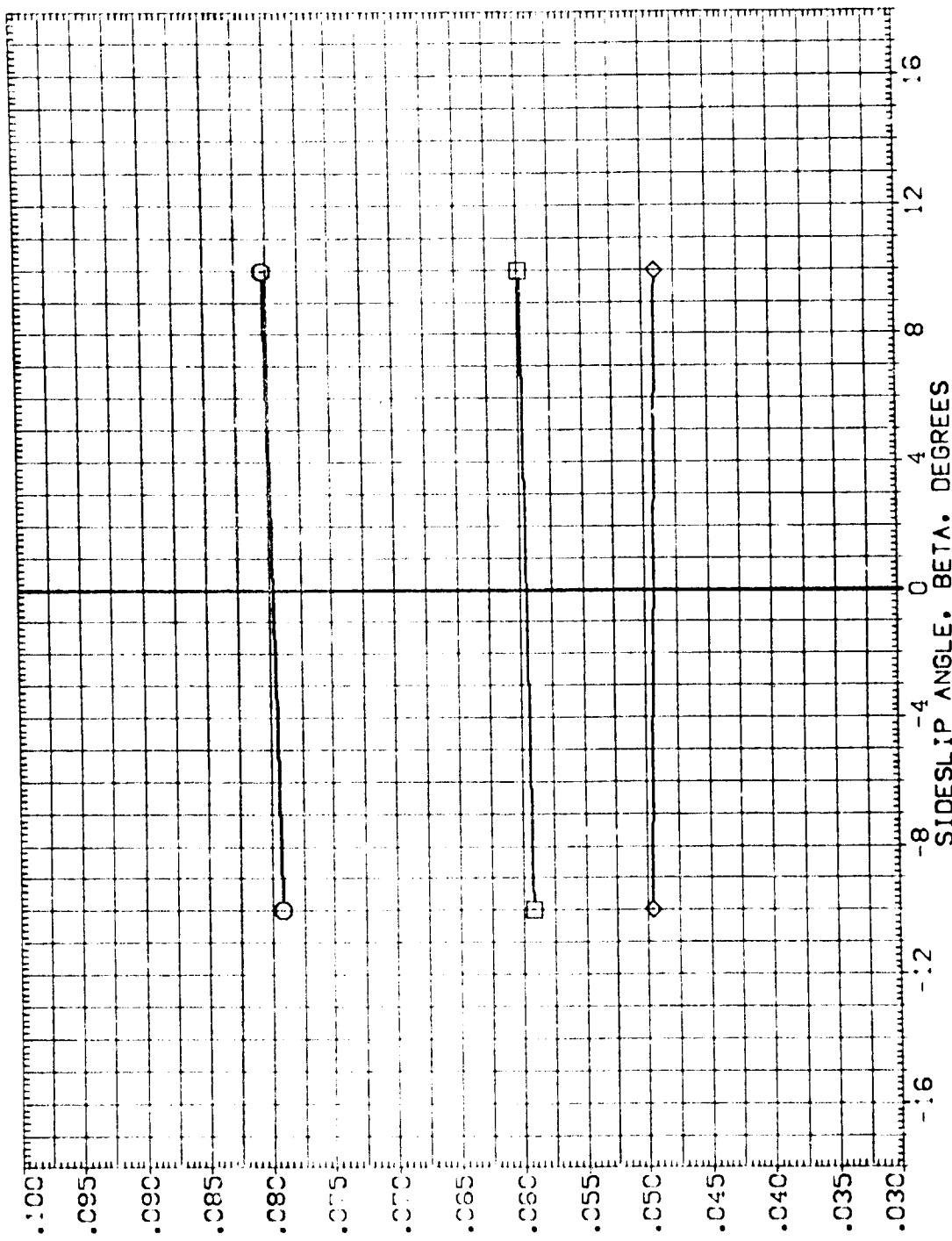


FIG. 12 B26 C9 F8 M7 N28 V8 R5 W116 E26 • MACH = .6 • ELEVON = -20



AMES 11-716 0A22A B26 C9 F8 M7 N28 V8R5 W116 E26(1B2015)

SYMBOL	ALPHA		MACH		PARAMETRIC VALUES		REFERENCE INFORMATION	
	-10.000	10.000	FLUDER		.597	ELEVON	SREF	50.FT.
○	.000				.000	SPDRK	LREF	2.4210
□							BREF	38.7090
◇							XMRP	38.7090
							YMRP	25.5420
							ZMRP	.0000
							SCALE	.0300

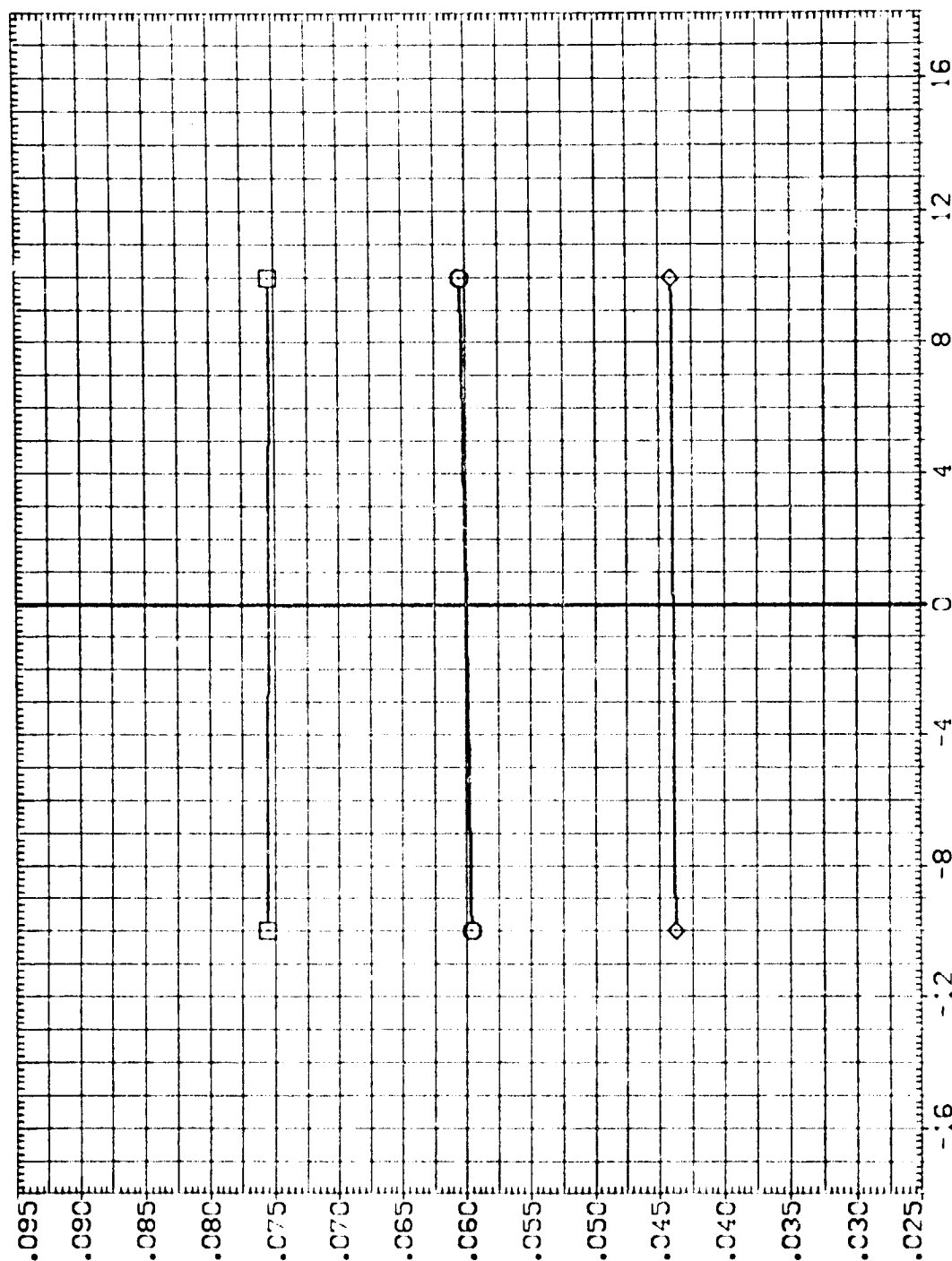


FIG. 12 B26 C9 F8 M7 N28 V8 R5 W116 E26, MACH = .6, ELEVON = -20

AMES 11-716 CA22A B26 C9 F8 M7 N28 V8R5 W116 E26 (1B2015)

SYMBOL  
 O  
 □  
 ◇

ALPHA  
 -10.000  
 .000  
 10.000

MACH  
 RUDDER

PARAMETRIC VALUES  
 .597 ELEVON  
 .000 SPOON  
 -20.000  
 .000

REFERENCE INFORMATION  
 SREF 2.4210 SQ.FT.  
 LREF 38.7050 IN.  
 BREF 38.7050 IN.  
 XMRP 25.5420 IN.  
 YMRP .0000 IN.  
 ZMRP .0000 IN.  
 SCALE .0300

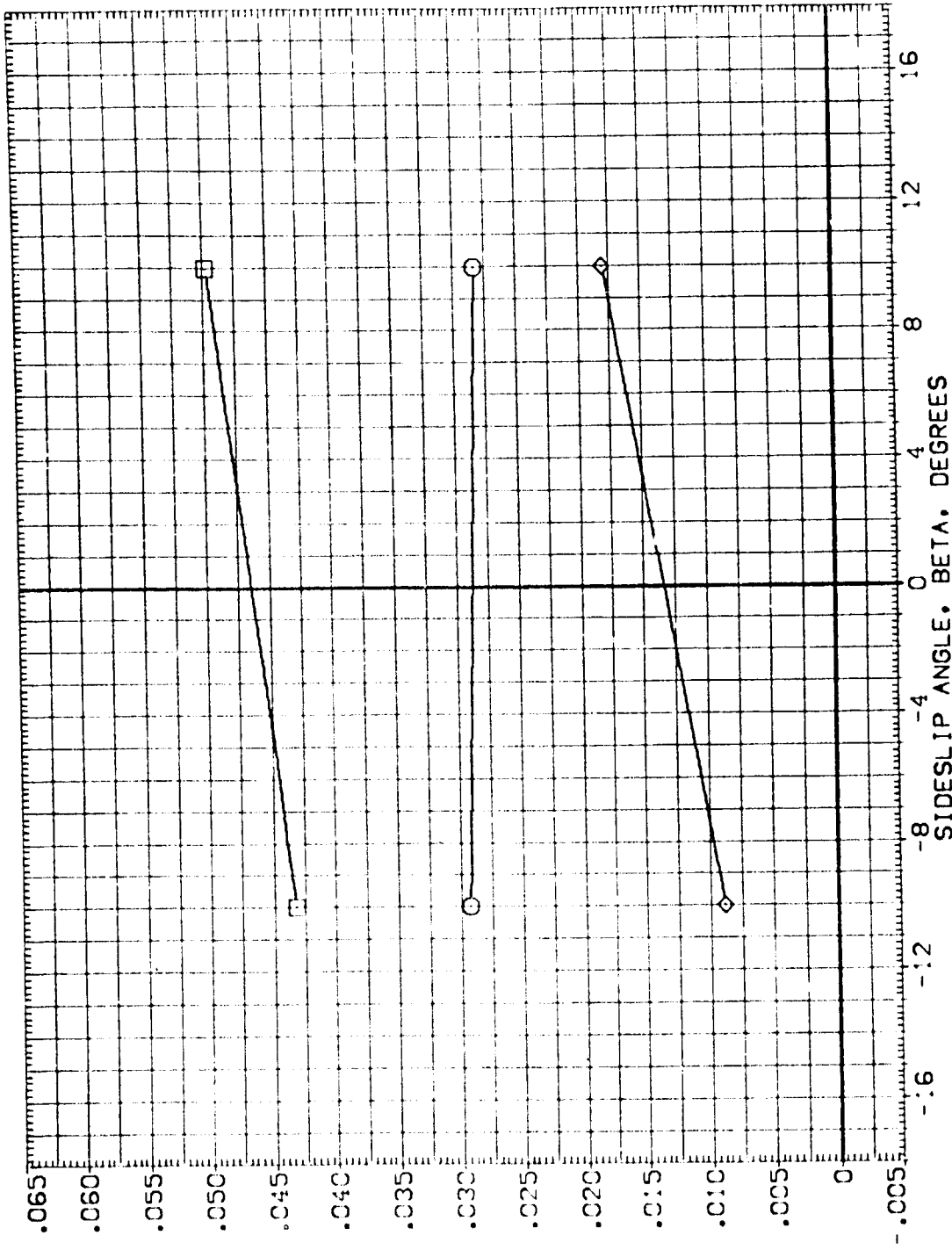


FIG. 12 B26 C9 F8 M7 N28 V8 R5 W116 E26, MACH = .6, ELEVON = -20



AMES 11-716 0A22A B26 C9 F8 M7 N28 V8R5 W116 E26 (182015)

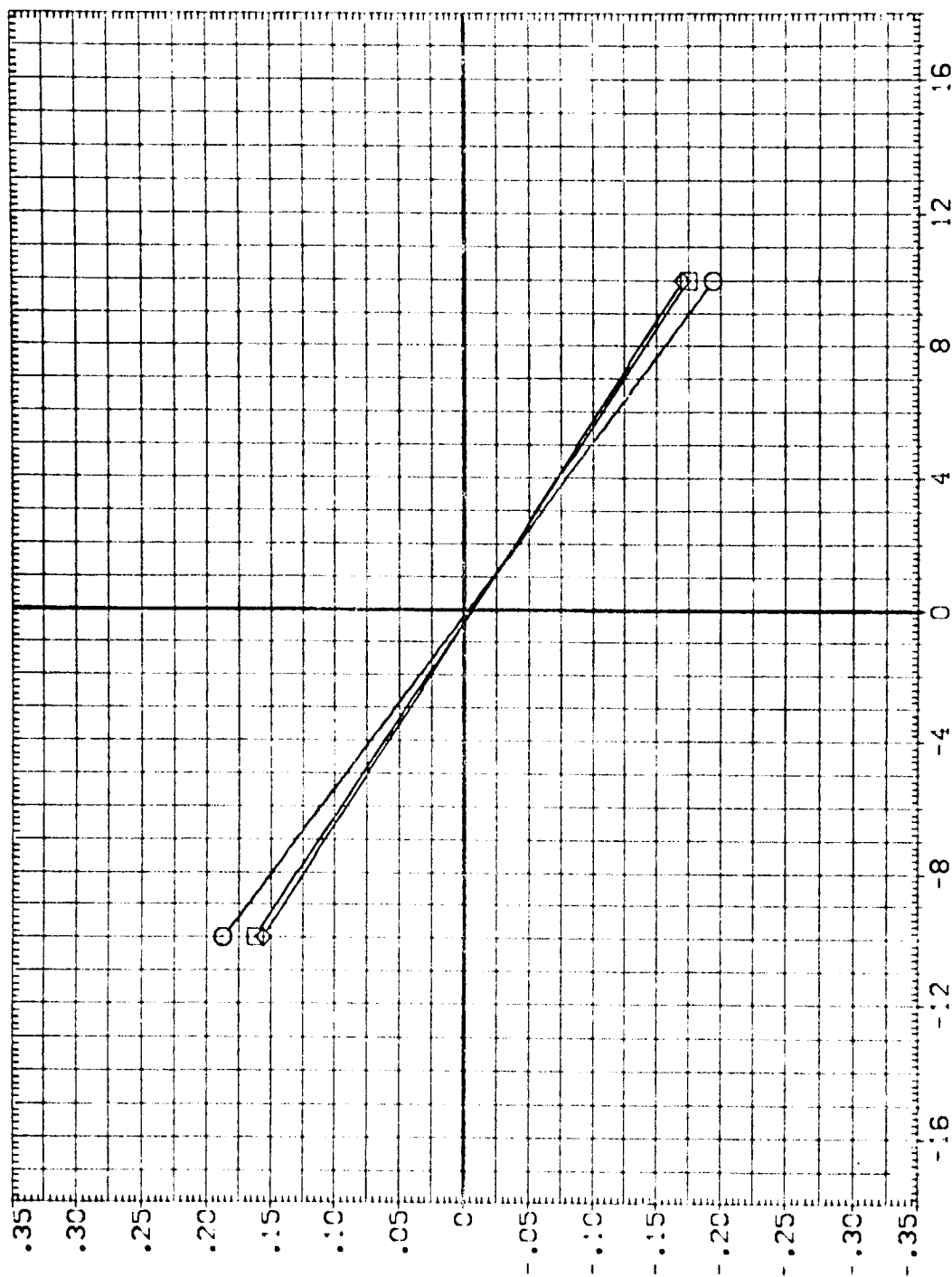
SYMBOL  
○ □ ◇

ALPHA  
-10.000  
.000  
10.000

MACH  
RUDDER

PARAMETRIC VALUES  
.597 ELEVON  
.000 SPOBRK  
-20.000 .000

REFERENCE INFORMATION  
SREF 2.4210 SQ.FT.  
LREF 38.7090 IN.  
BREF 38.7090 IN.  
XREF 25.5420 IN.  
YREF .0000 IN.  
ZREF .0000 IN.  
SCALE .0300



SIDE FORCE COEFFICIENT, CY

FIG. 12 B26 C9 F8 M7 N28 V8 R5 W116 E26 , MACH = .6 , ELEVON = -20

AMES 11-716 CA22A B26 C9 F8 M7 N28 V8R5 W116 E26 (IB2015)

SYMBOL

ALPHA  
-10.000  
.000  
10.000

MACH  
RUDDER

PARAMETRIC VALUES

.597 ELEVON  
.000 SPOBRK  
-20.000

REFERENCE INFORMATION  
SQ.FT.  
SREF 2.4210  
LREF 38.7050  
BREF 38.7090  
XMRP 25.5420  
YMRP .0000  
ZMRP .0000  
SCALE .0300

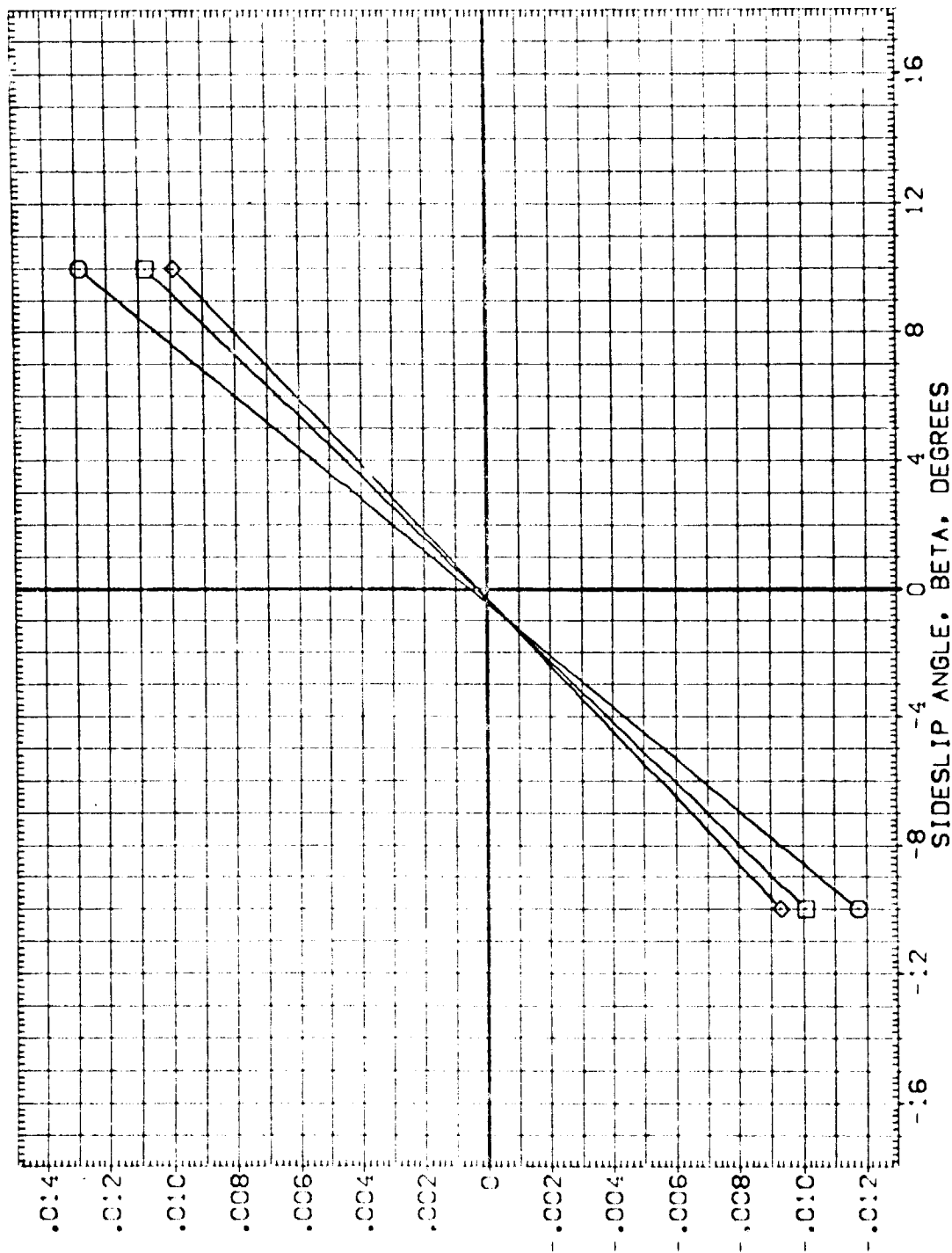


FIG. 12 B26 C9 F8 M7 N28 V8 R5 W116 E26, MACH = .6, ELEVON = -20



AMES 11-716 0A22A B26 C9 F8 M7 N28 V8R5 W116 E26(1B2015)

SYMBOL  
○  
◇

ALPHA  
-10.000  
.000  
10.000

MACH  
RUDDER

PARAMETRIC VALUES  
.597 ELEVON  
.000 SPOILER

-20.000  
.000

REFERENCE INFORMATION  
SREF 2.4210 SQ.FT.  
LREF 38.7050 IN.  
BREF 38.7050 IN.  
XMRP 25.5420 IN.  
YMRP .0000 IN.  
ZMRP .0000 IN.  
SCALE .0300

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

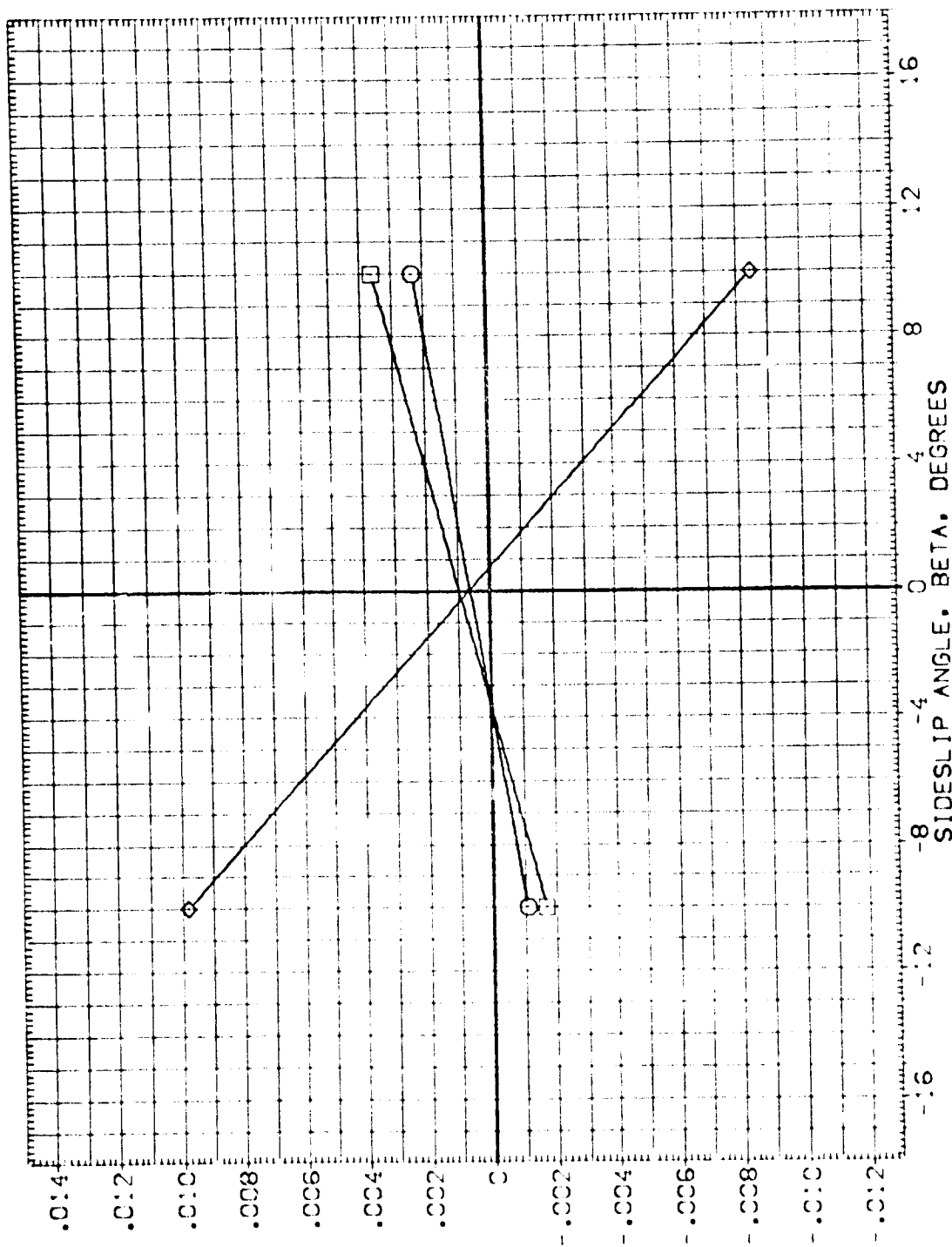


FIG. 12 B26 C9 F8 M7 N28 V8 R5 W116 E26, MACH = .6, ELEVON = -20

AMES 11-716 0A22A B26 C9 F8 M7 N28 V8R5 W116 E26(1B2015)

SYMBOL  
O  
◇

ALPHA  
-10.000  
.000  
10.000

MACH  
RUCOR

PARAMETRIC VALUES  
.597 ELEVON -20.000  
.000 SPOBRK .000

REFERENCE INFORMATION  
SREF 2.4210 SQ.FT.  
LREF 38.7090 IN.  
BREF 38.7090 IN.  
XMRP 23.5420 IN.  
YMRP .0000 IN.  
ZMRP .0000 IN.  
SCALE .0300

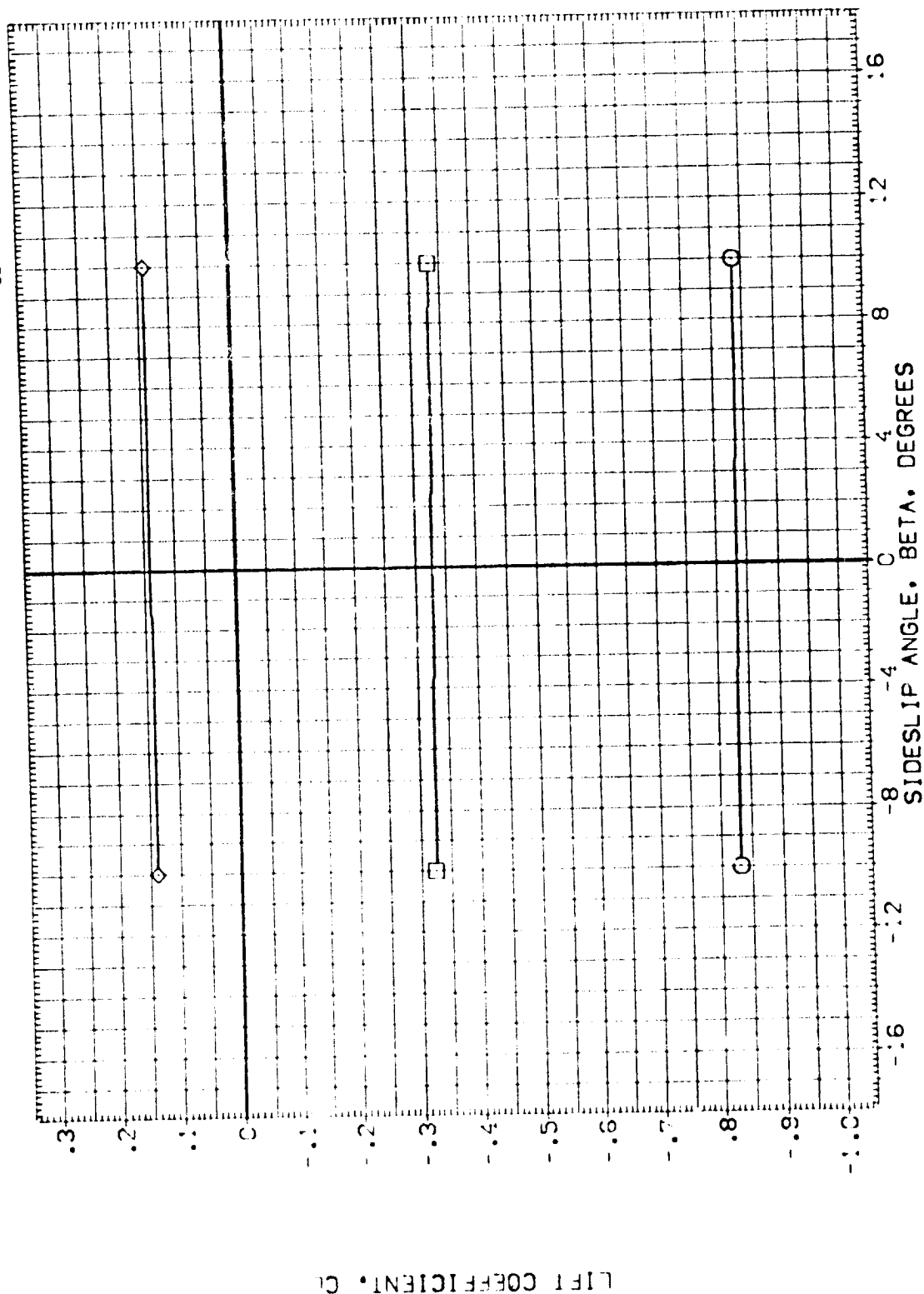


FIG. 12 B26 C9 F8 M7 N28 V8 R5 W116 E26, MACH = .6, ELEVON = -20

AMES 11-716 0A22A B26 C9 F8 M7 N28 V8R5 W116 E26 (1B2015)

SYMBOL

ALPHA  
-10.000  
.000  
10.000

MACH  
RUDDER

PARAMETRIC VALUES

.597  
.000  
.000  
ELEVON  
SPDRK

REFERENCE INFORMATION  
SREF 2.4210  
LREF 38.7090  
BREF 38.7090  
XMRP 25.5420  
YMRP .0000  
ZMRP .0000  
SCALE .0300

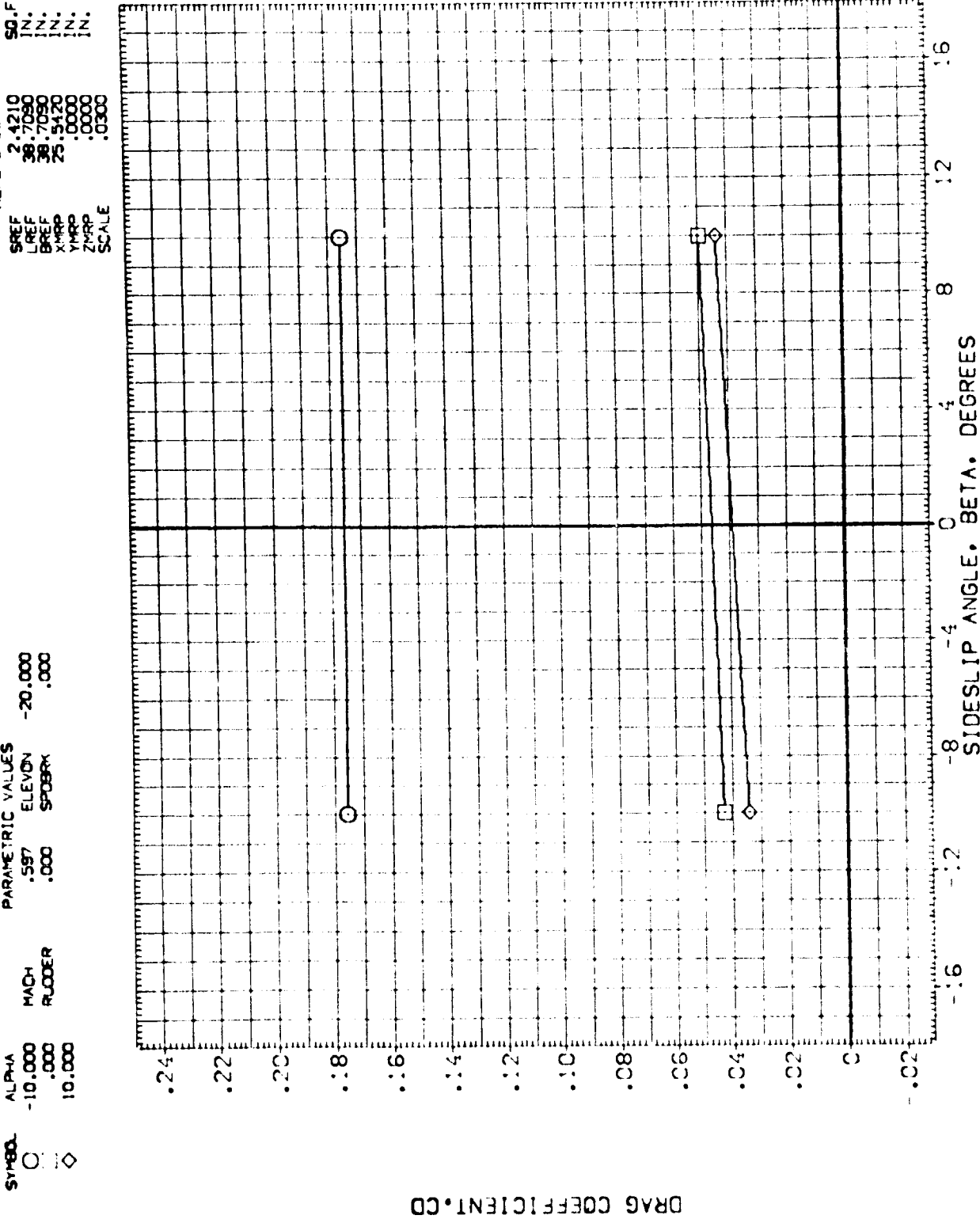


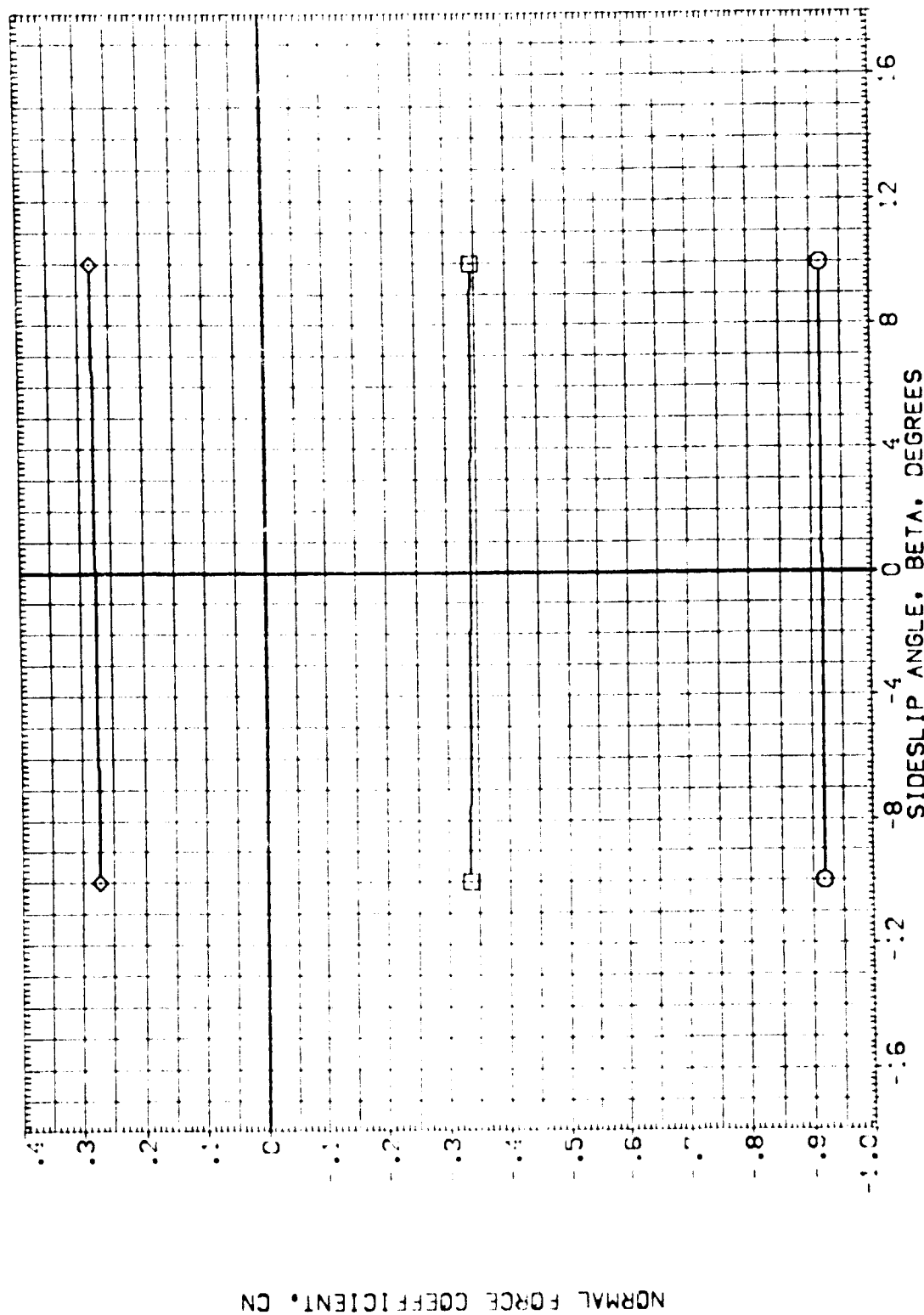
FIG. 12 B26 C9 F8 M7 N28 V8 R5 W116 E26, MACH = .6, ELEVON = -20



AMES 11-716 QA22A B26 C9 F8 W7 V28 V8R5 W116 E26 (192016)

REFERENCE INFORMATION	
SREF	2.4210
REF	38.7090
REF	38.7090
XREF	25.5420
YREF	.0000
YREF	.0000
SCALE	.0300

SYMBOL	ALPHA	PARAMETRIC VALUES
○	-10.000	HAL .902 ELEVEN
●	.000	RUDDER .000 \$200RK
◇	10.000	



AMES 11-716 0A22A B26 C9 F8 M7 N28 V8R5 W116 E26(182016)

REFERENCE INFORMATION  
 SREF 2.4210 SQ.FT.  
 LREF 38.7090  
 BREF 38.7090  
 XPRP 25.5420  
 YPRP .0000  
 ZPRP .0000  
 SCALE .0300

PARAMETRIC VALUES  
 .902 ELEVON  
 .000 SPOBRK

ALPHA  
 -10.000  
 .000  
 10.000

SYMBOL  
 O  
 O

MACH  
 -20.000  
 .000

RUDER

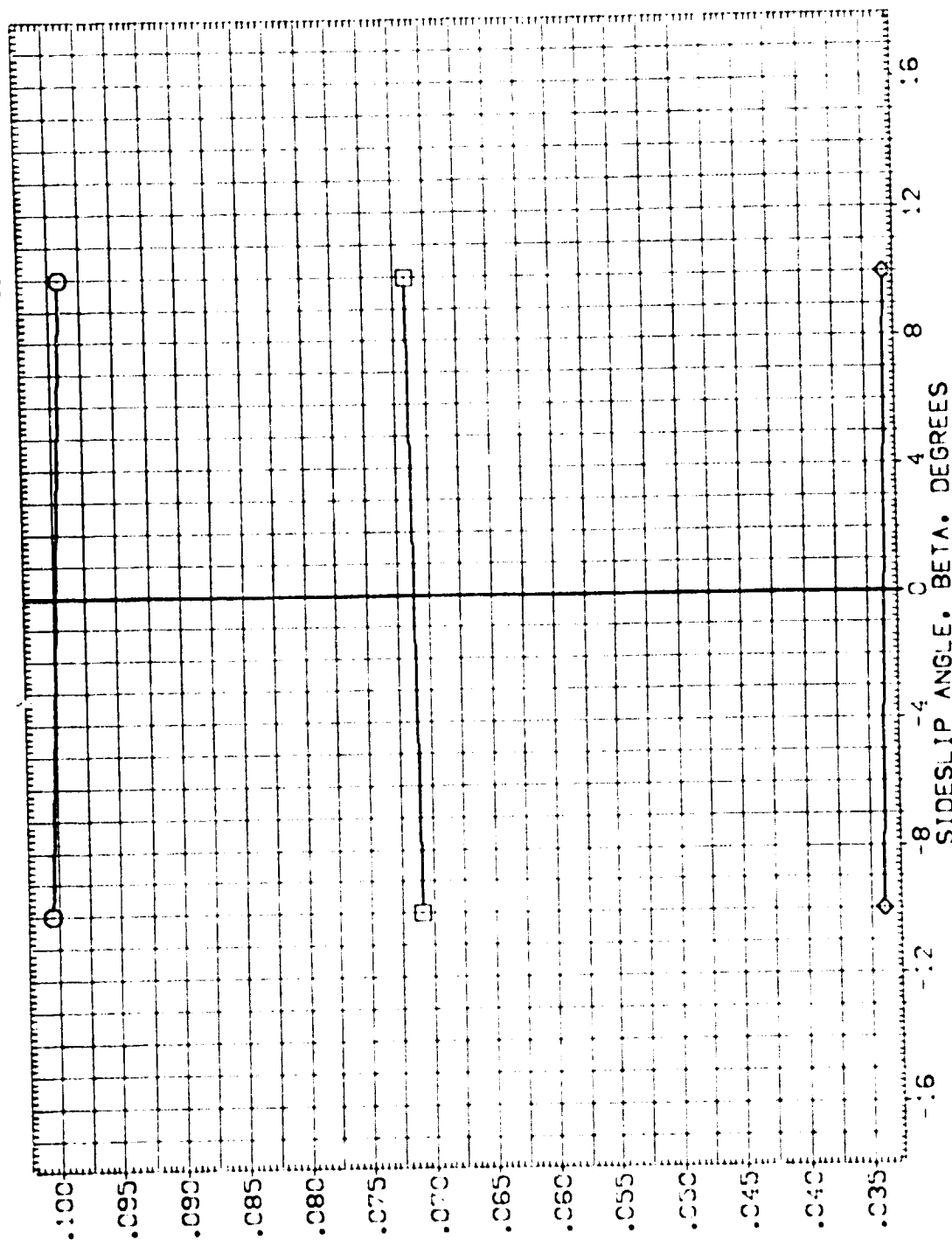


FIG. 13 B26 C9 F8 M7 N28 V8 R5 W116 E26 • MACH = .9 • ELEVON = -20

AMES 11-716 CA22A B26 C9 F8 M7 N28 V8R5 W116 E26(1B2016)

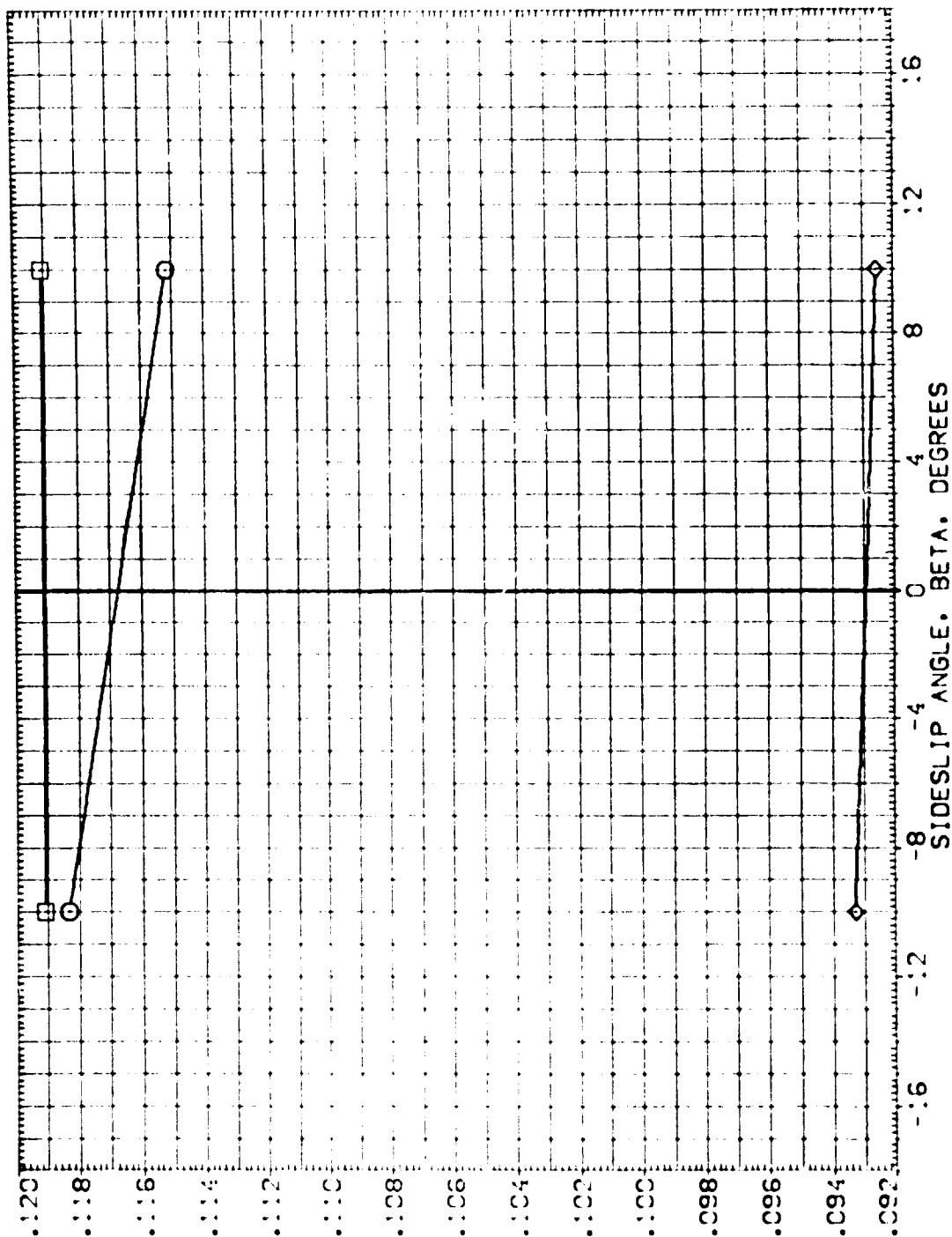
SYMBOL  
○  
◇

ALPHA  
-10.000  
.000  
10.000

MACH  
RLOOR

PARAMETRIC VALUES  
.902 ELEVON -20.000  
.000 SPOBRK .000

REFERENCE INFORMATION  
SREF 2.4210 50.FT.  
LREF 38.7090  
BREF 38.7090  
XMRP 25.5420  
YMRP .0000  
ZMRP .0000  
SCALE .0300



AXIAL FORCE COEFFICIENT, CA

FIG. 13 B26 C9 F8 M7 N28 V8 R5 W116 E26, MACH = .9, ELEVON = -20

AMES 11-7:6 CA22A 326 C9 F8 M7 N28 V8R5 W1:6 E26(192016)

SYMBOL  
O  
◇

ALPHA  
-10.000  
.000  
10.000

MACH  
RUDDER

PARAMETRIC VALUES  
.902 ELEVON  
.000 SPOILER  
-20.000 .000

REFERENCE INFORMATION  
SQ.FT.  
2.4210  
28.7050  
28.7050  
25.5420  
.0000  
.0000  
.0300  
SCALE

SREF  
LREF  
BREF  
XMRP  
YMRP  
ZMRP

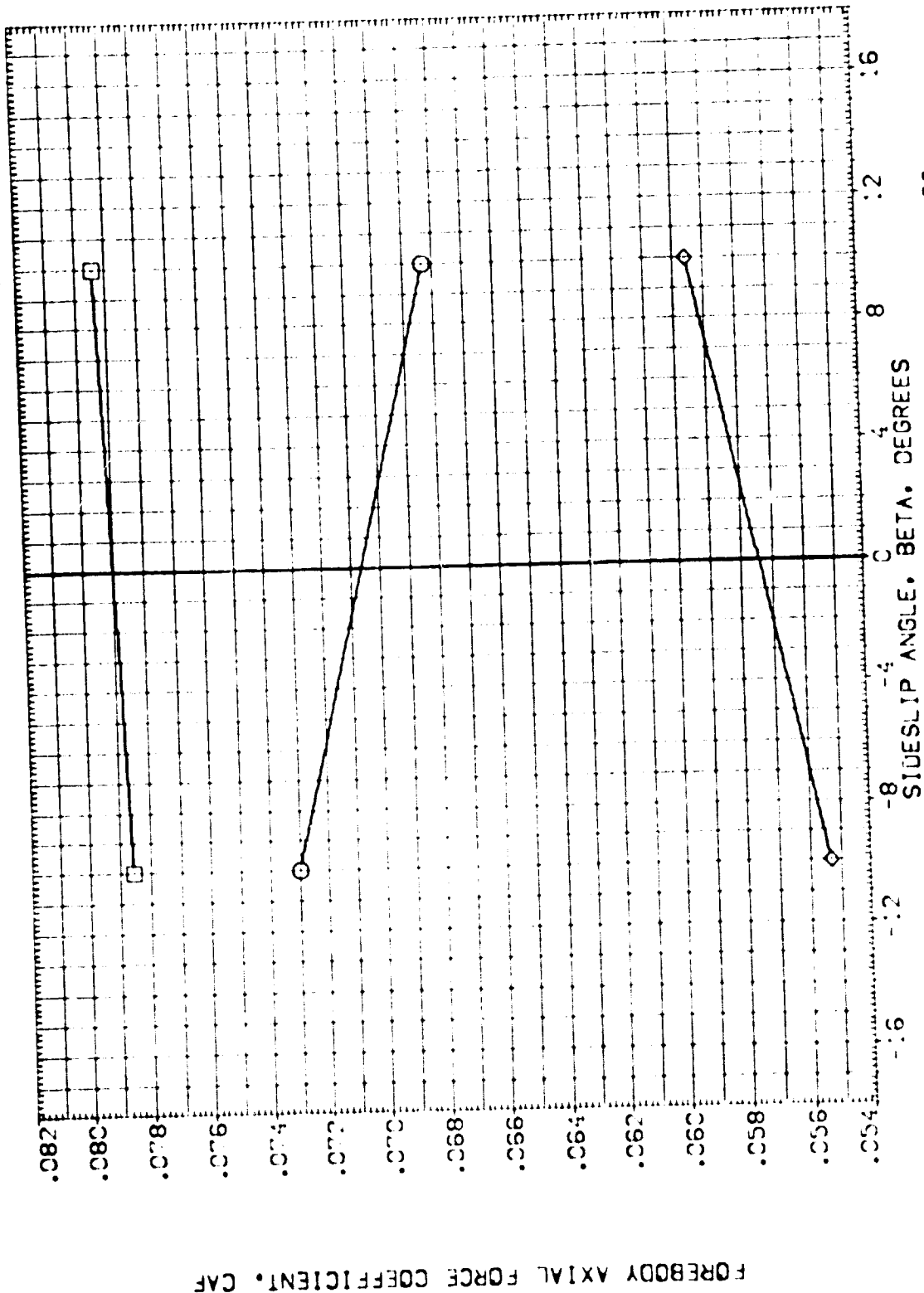


FIG. 13 926 C9 F8 M7 N28 V8 R5 W1:6 E26 . MACH = .9 . ELEVON = -20

AMES 11-716 CA22A B26 C9 F8 M7 N28 V8R5 W116 E26(182016)

SYMBOL  
○  
◇

ALPHA  
-10.000  
.000  
10.000

MACH  
RUDDER

PARAMETRIC VALUES  
.902 ELEVON  
.000 SPDRM  
-20.000  
.000

REFERENCE INFORMATION  
SREF 2.4210 SQ.FT.  
LREF 38.7050  
BREF 38.7050  
XREF 25.5420  
YREF .0000  
ZREF .0000  
SCALE .0300

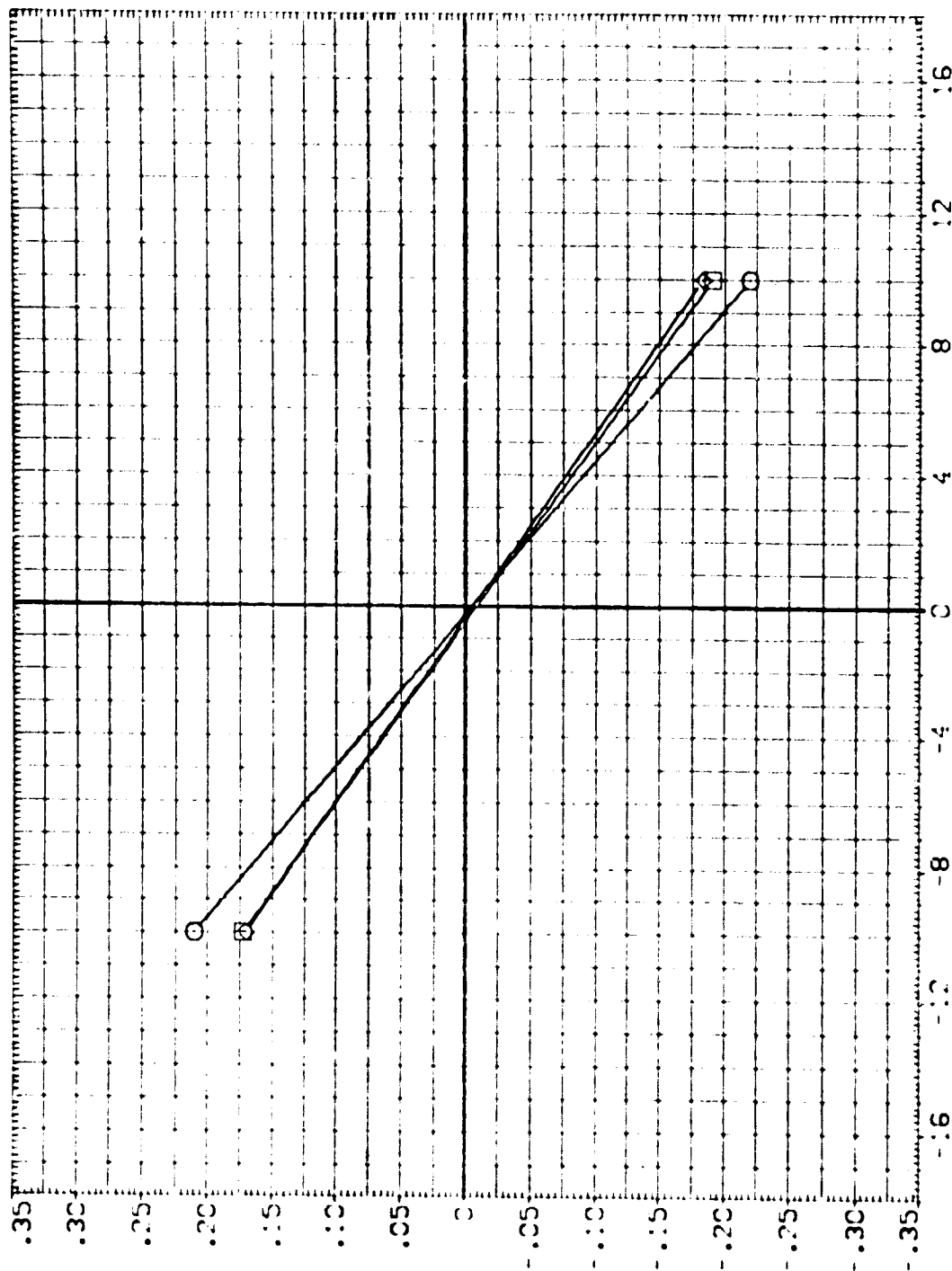


FIG. 13 B26 C9 F8 M7 N28 V8 R5 W116 E26 . MACH = .9 , ELEVON = -20

AVES 11-16 CA22A 326 C9 F8 W7 N28 V8R5 W:16 E26 (182016)

SYNBO  
-10.000  
.000  
10.000

ALPHA  
-10.000  
.000  
10.000

MACH  
RUDDER

PARAMETRIC VALUES  
.902 ELEVON  
.000 SPOILER

-20.000  
.000

REFERENCE INFORMATION  
SC.FT.  
2.4210  
39.7090  
39.7090  
25.5470  
.0000  
.0000  
7.000  
SCALE  
10.000

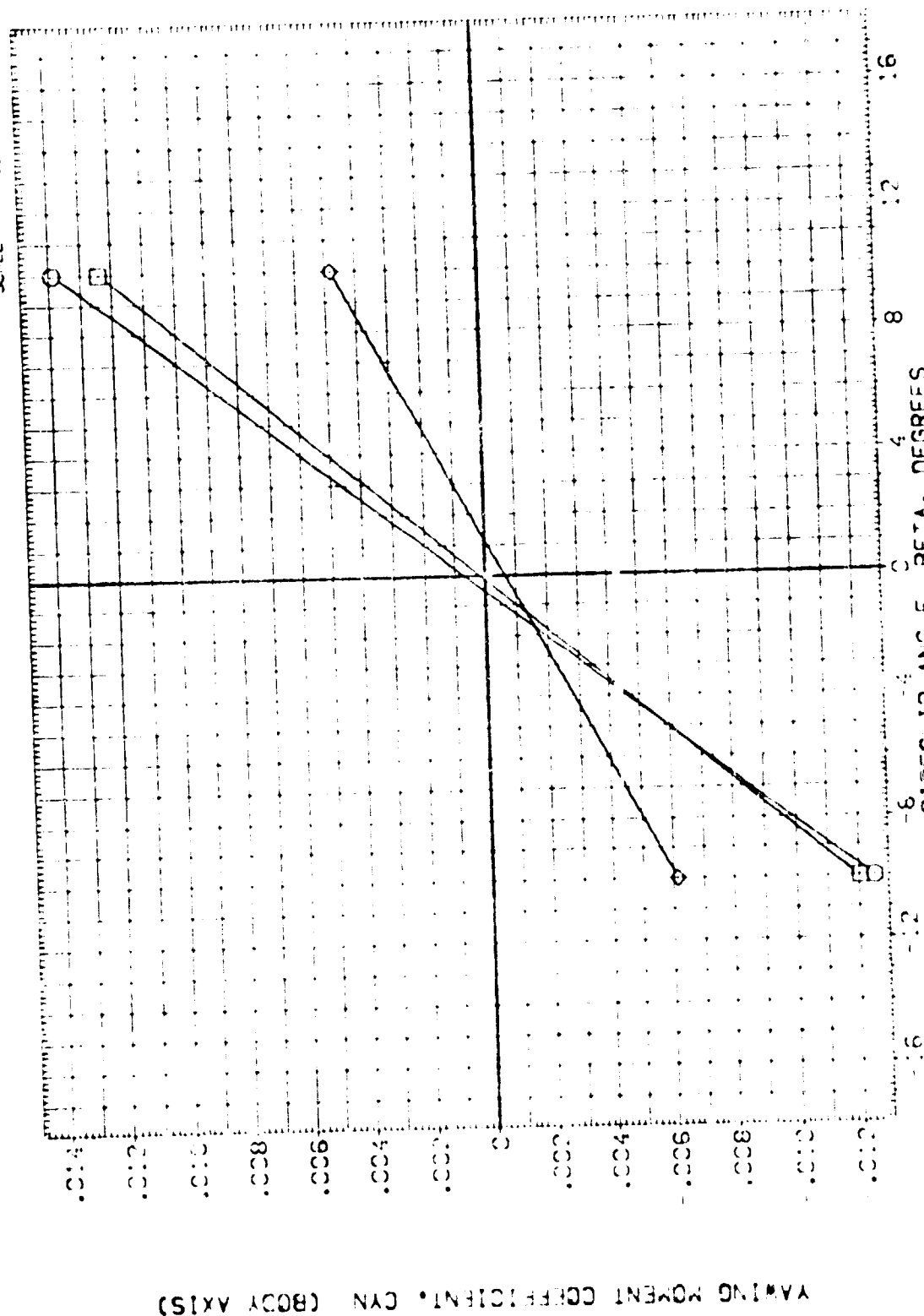


FIG. 13 326 C9 F8 W7 N28 V8R5 W:16 E26, MACH = .9, ELEVON = -20

AVES 11-716 0A22A 326 C9 F8 M7 N28 V8R5 W116 E26(1B2016)

SYMBOL  
○  
◇

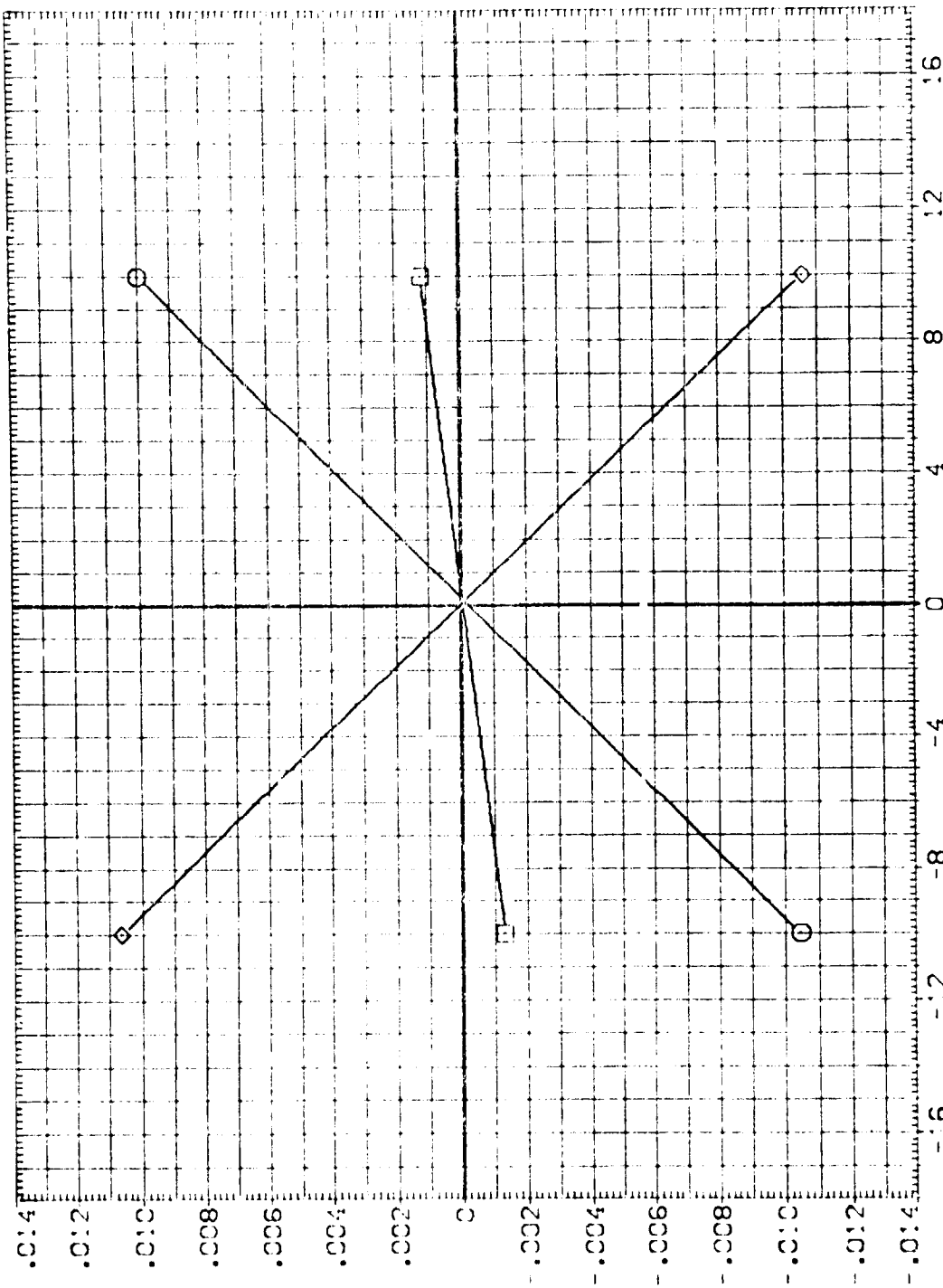
ALPHA  
-10.000  
.000  
10.000

MACH  
RUDDER

PARAMETRIC VALUES  
.902 ELEVON  
.000 SPOILER

-20.000  
.000

REFERENCE INFORMATION  
SREF 2.4210  
LREF 38.7090  
BREF 38.7030  
XREF 25.5420  
YREF .0000  
ZREF .0000  
SCALE .0300



ROLLING MOMENT COEFFICIENT, CRL (BODY AXIS)

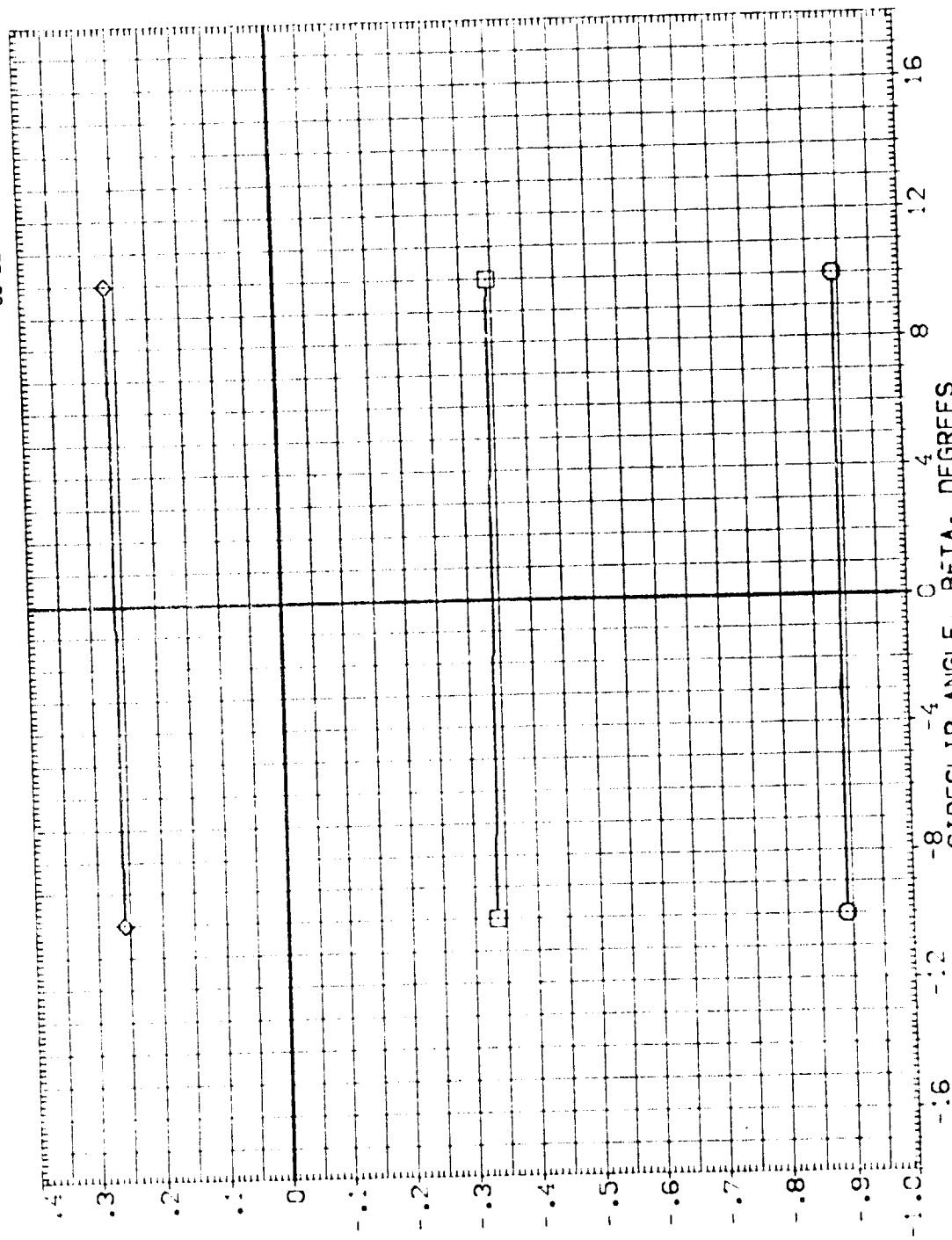
FIG. 13 B26 C9 F8 M7 N28 V8 R5 W116 E26, MACH = .9, ELEVON = -20

AVES 11-716 0A22A 326 C9 F8 M7 N28 V8R5 W116 E26(182016)

SYMBOL ALPHA  
 ○ -10.000  
 ◇ .000  
 ○ 10.000

PARAMETRIC VALUES  
 MACH .902  
 RUDDER .000  
 ELEVON -20.000  
 SPOILER .000

REFERENCE INFORMATION  
 SREF 2.4210  
 LREF 38.7090  
 BREF 38.7090  
 XMRP 25.5420  
 YMRP .0000  
 ZMRP .0000  
 SCALE .000



LIFT COEFFICIENT, CL

SIDESLIP ANGLE, BETA, DEGREES

FIG. 13 326 C9 F8 M7 N28 V8 R5 W116 E26, MACH = .9, ELEVON = -20



AMES 11-716 0A22A 326 C9 F8 M7 N28 V8R5 W116 E26(1B2016)

SYMBOL  
○ □ ◇

ALPHA  
-10.000  
.000  
10.000

MACH  
RUDDER

PARAMETRIC VALUES  
.902 ELEVON  
.000 SPOBRK

-20.000  
.000

REFERENCE INFORMATION  
SREF 2.4210 SQ.FT.  
LREF 38.7090 IN.  
BREF 38.7090 IN.  
XMRP 25.5420 IN.  
YMRP .0000 IN.  
ZMRP .0000 IN.  
SCALE .0300

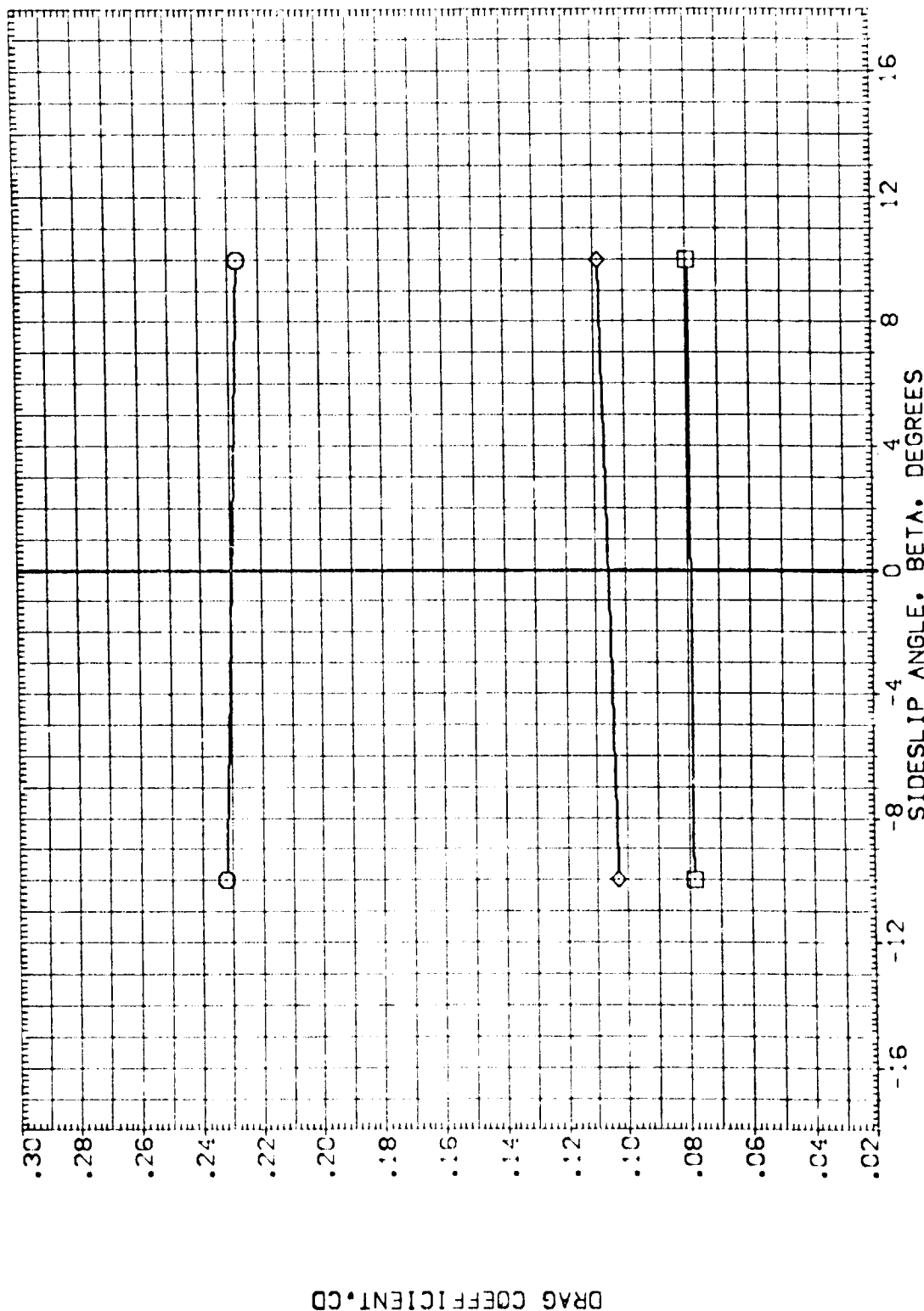


FIG. 13 B26 C9 F8 M7 N28 V8 R5 W116 E26, MACH = .9, ELEVON = -20



DATA FIGURES

(PRESSURE)

Note: Correspondence between parameter values and plot grids (multiple grids per page) - first parameter value is presented on left hand grid.

# OR3. FUSELAGE (RB2B13)

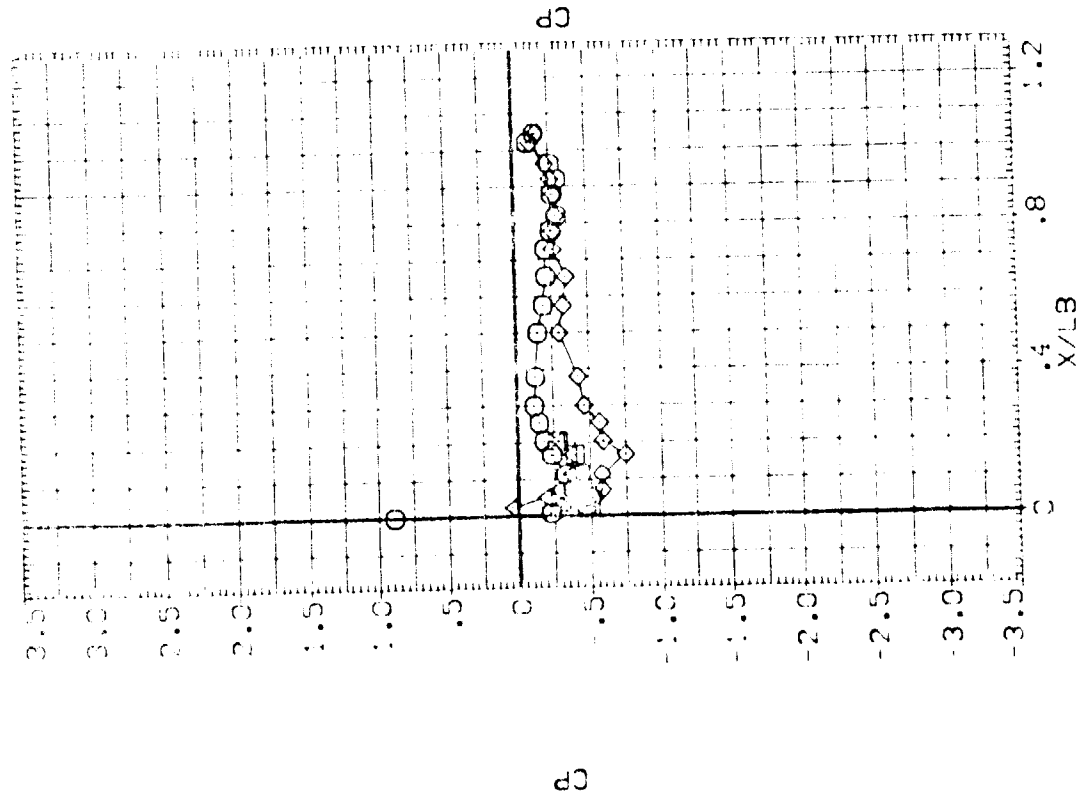
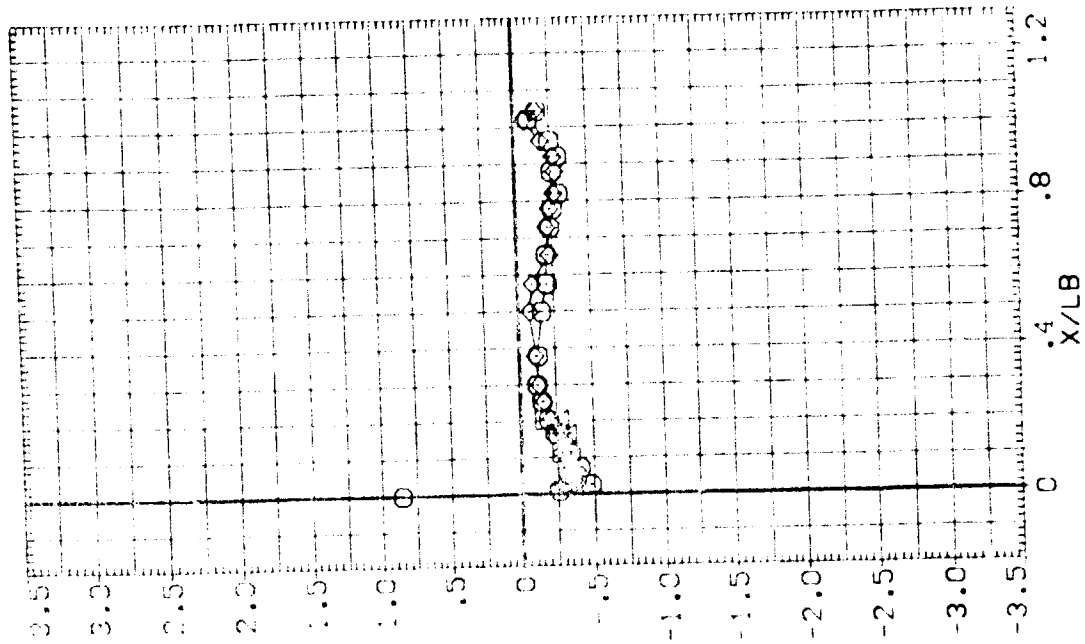
12011-018 0422 01

SYMBOL  
00000000

BETA  
-9.870  
15.110

ALPHA  
-10.000

PARAMETRIC VALUES  
MACH .600  
ELEVON .000  
RUDDER .000  
SPDRK .000



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

# ORB. FUSELAGE (RB2B13)

ARC11-716 0A22 01

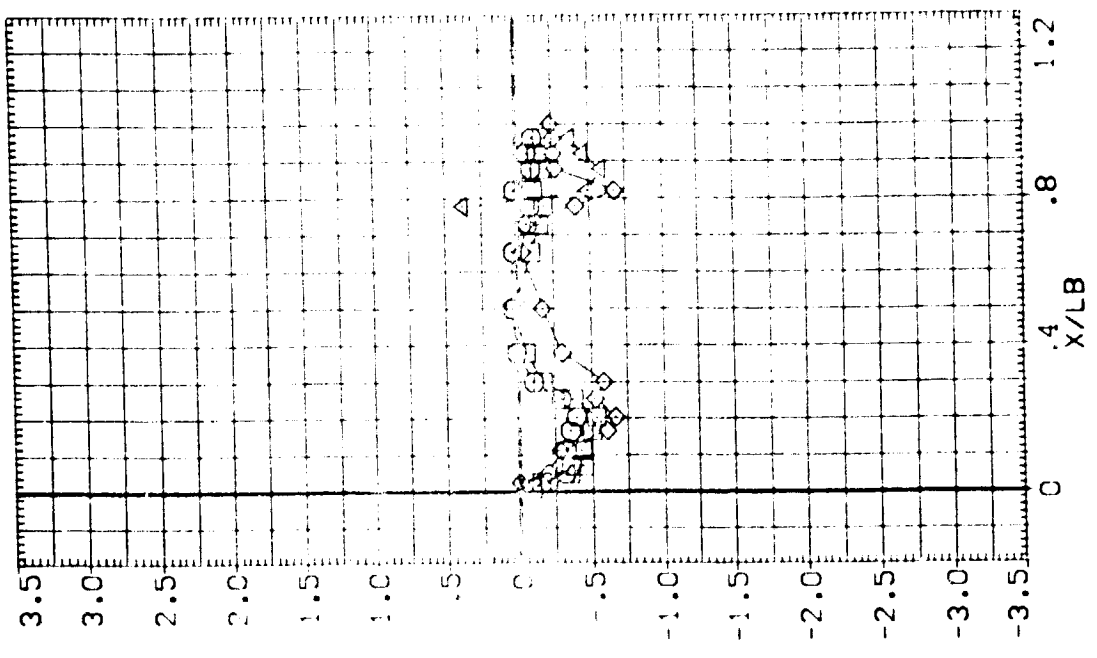
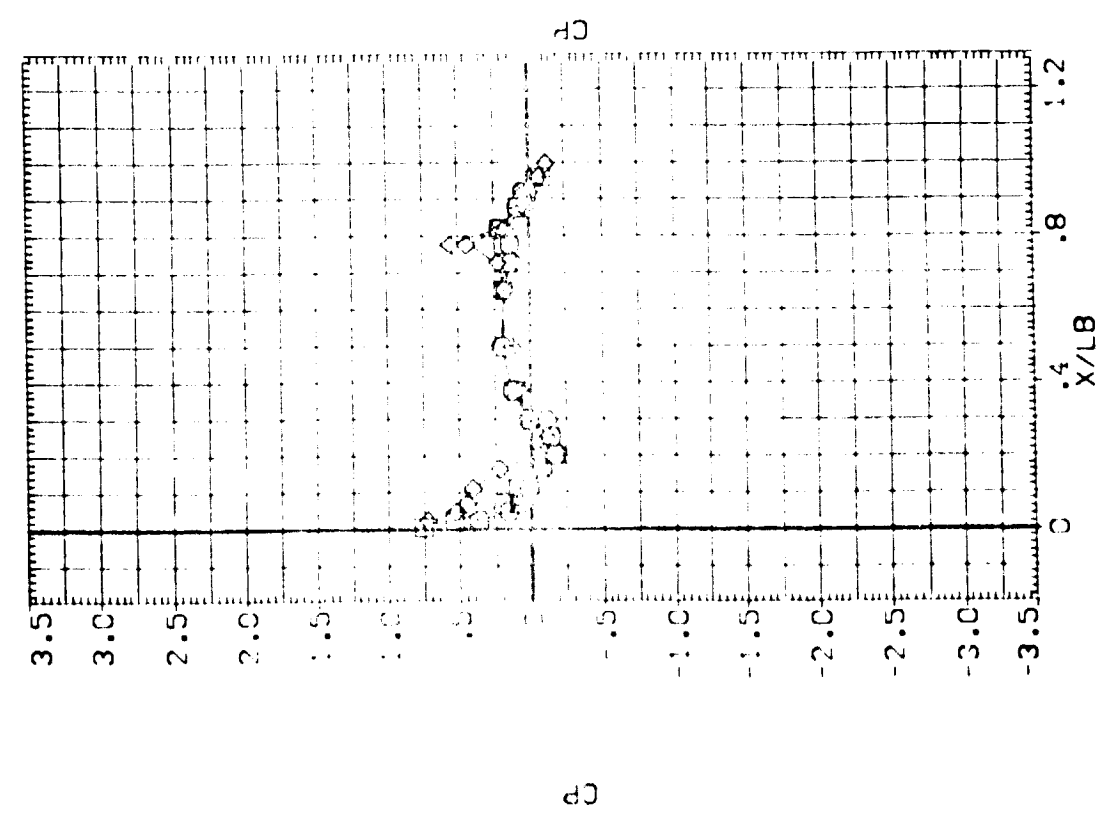
SYMBOL  
 ○ □ △

PHI 70.000  
 80.000  
 120.000  
 135.000

BETA -9.870  
 10.110

ALPHA -10.000

PARAMETRIC VALUES  
 .500 ELEVON  
 .000 SPOILER  
 MACH .000  
 RUDDER



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES





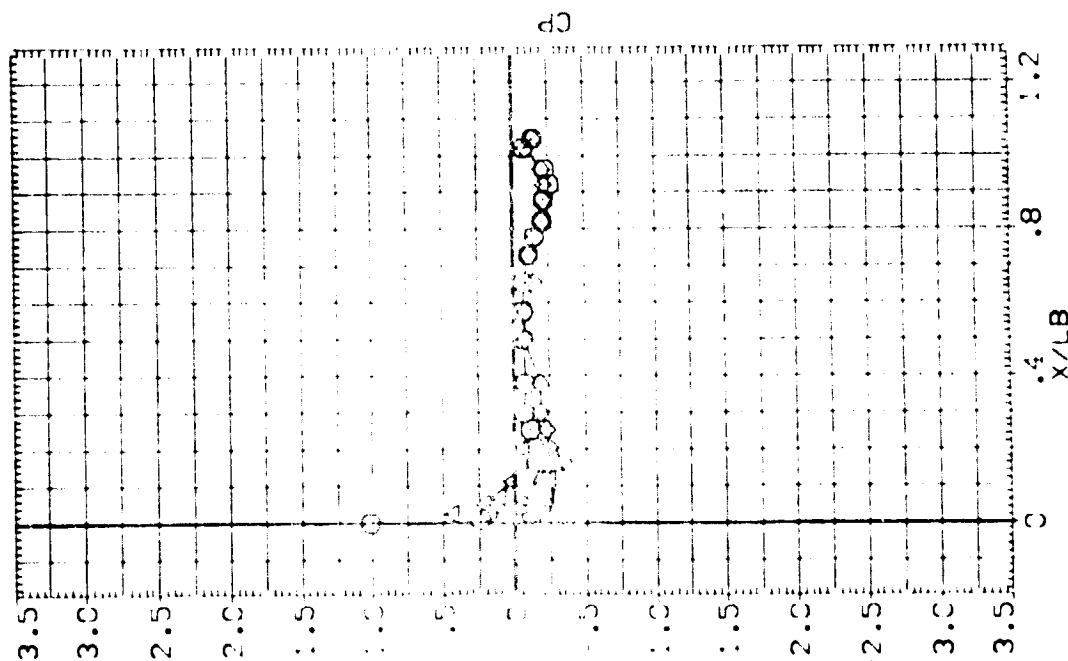
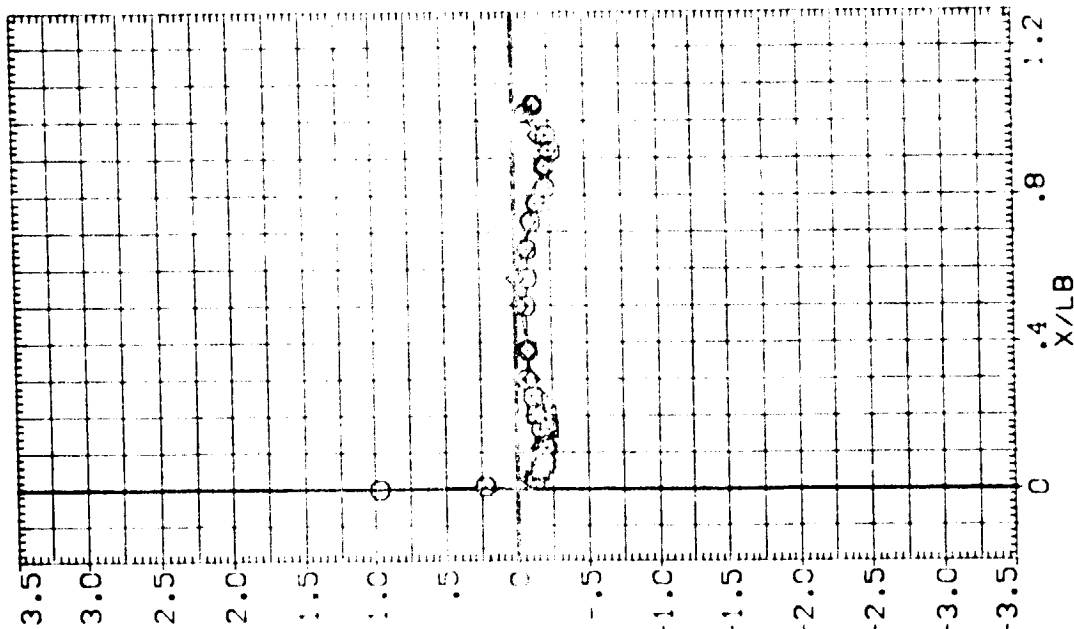
# ORB. FUSELAGE (RB2B13)

ARC:-7:6 CA22 C:

SYMBOL  
 ○  
 ◇  
 △

PHI BETA ALPHA  
 .000 -9.980 -.110  
 20.000 10.010  
 40.000  
 55.000

PARAMETRIC VALUES  
 MACH .600 ELEVON .000  
 RUDDER .000 SPOBRK .000

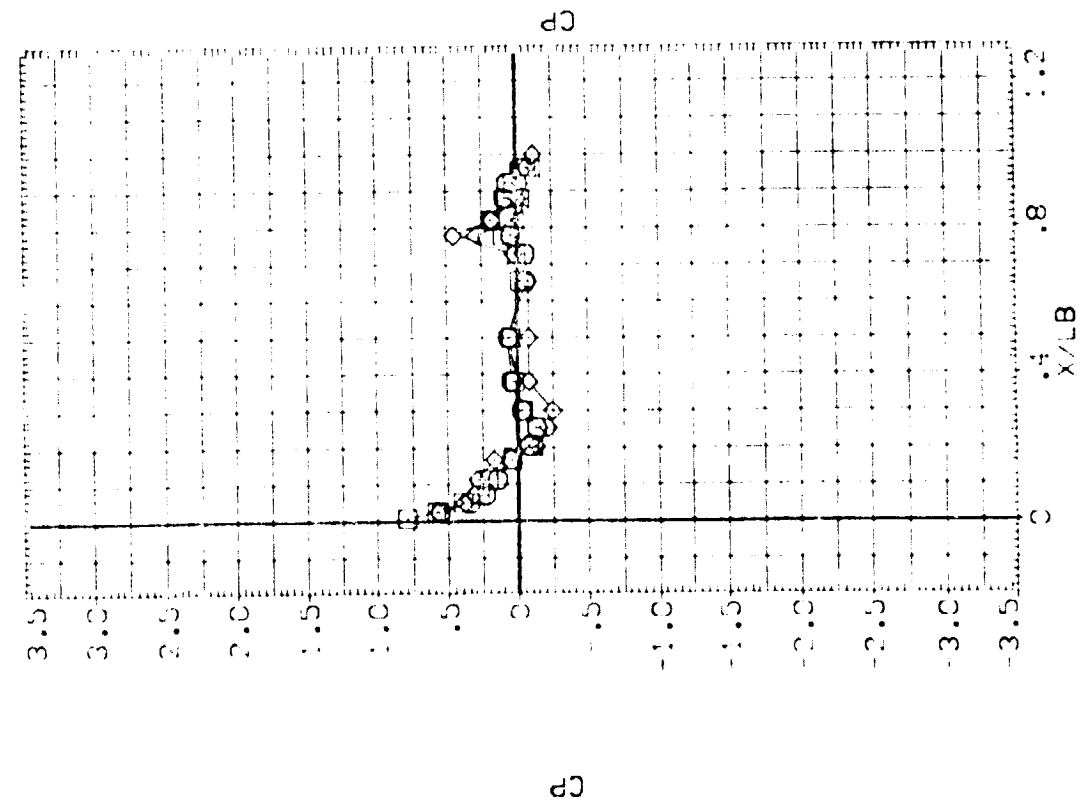
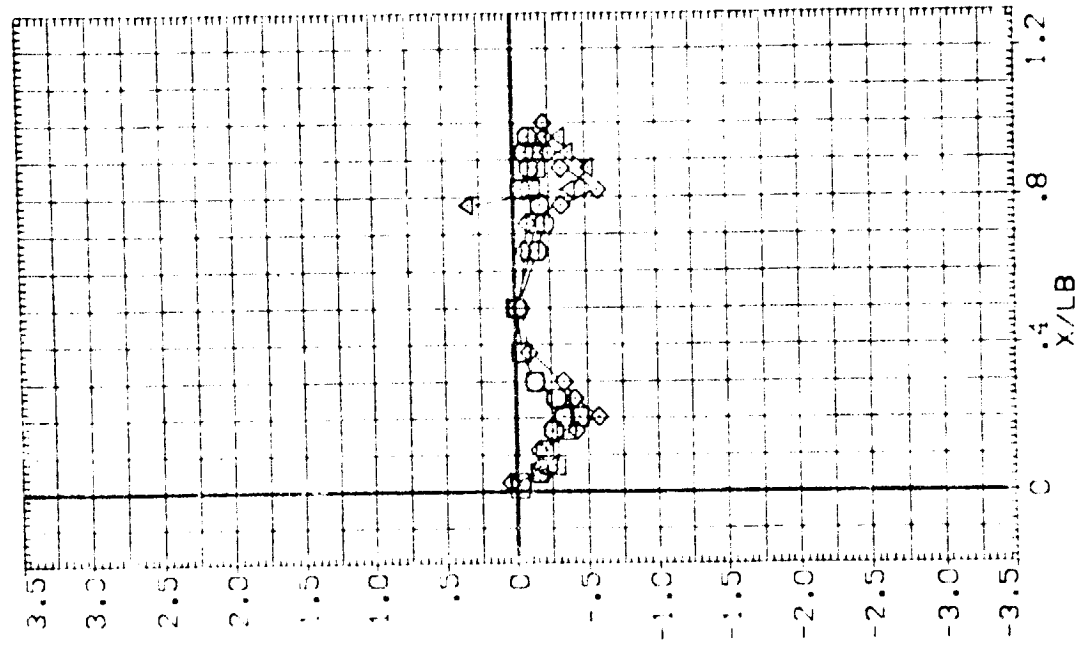


LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

# CRB. FUSELAGE (R32B13)

APC11-116 3-22-61

SYMBOL	PHI	BETA	ALPHA	PARAMETRIC VALUES	
( )	70.000	9.960	0.110	MACH	.600
( )	90.000	10.000		ELEVON	.000
( )	120.000			RUDDER	.000
( )	135.000				



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

ARC11-716 0A22 01

ORB. FUSELAGE (RB2B13)

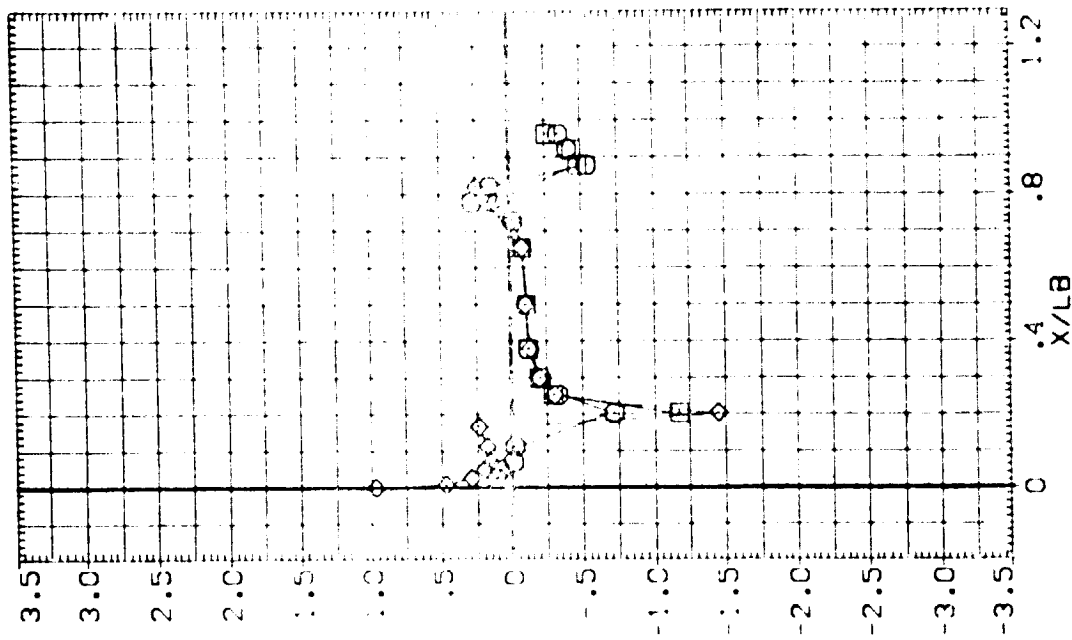
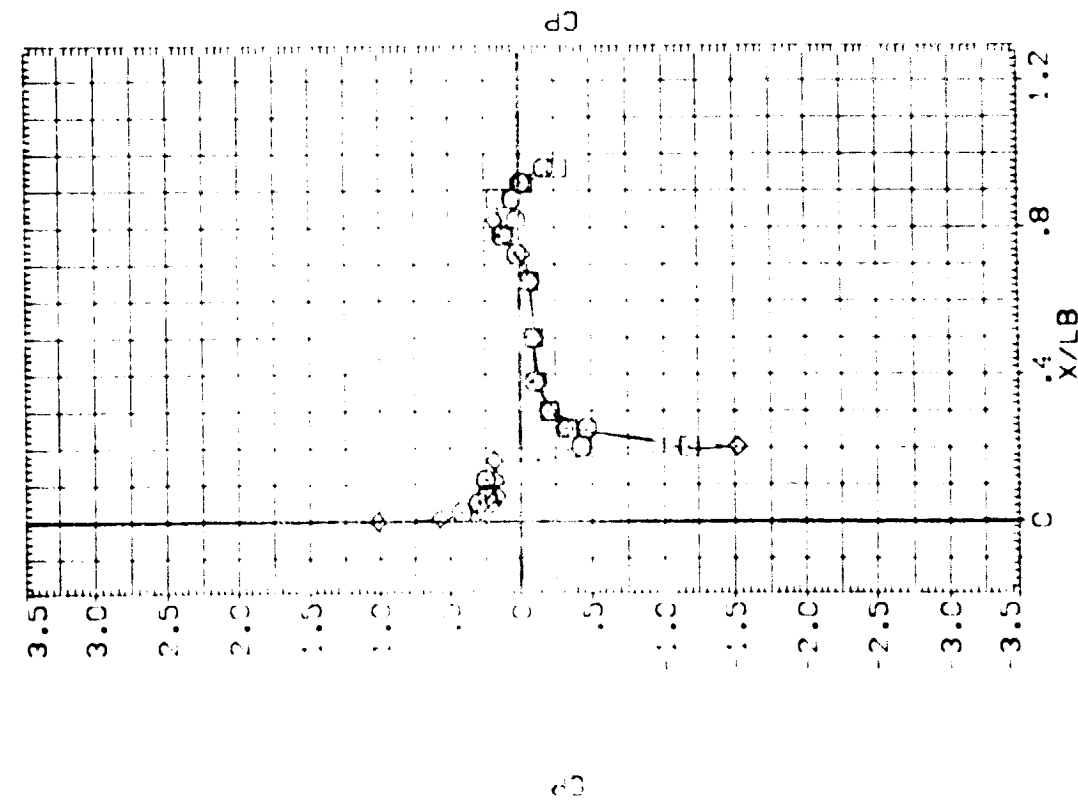
SYMBOL

150.000  
165.000  
180.000

BETA  
-9.980  
10.010

ALPHA  
-1.110

PARAMETRIC VALUES  
MACH .600  
ELEVON .000  
RUDDER .000  
SPDRBK .000



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

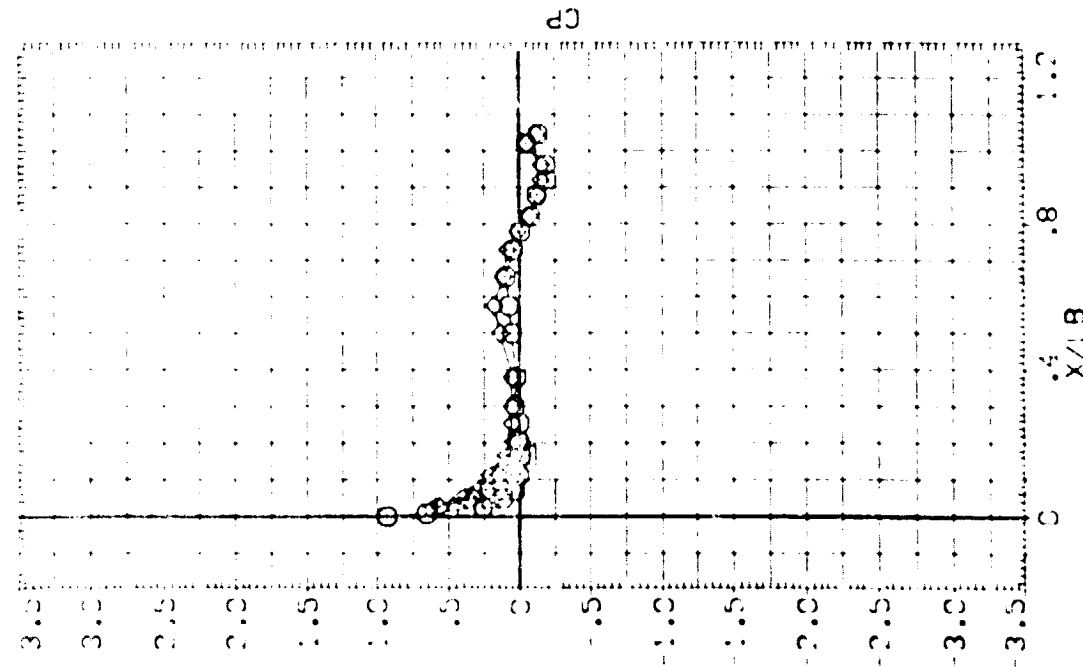
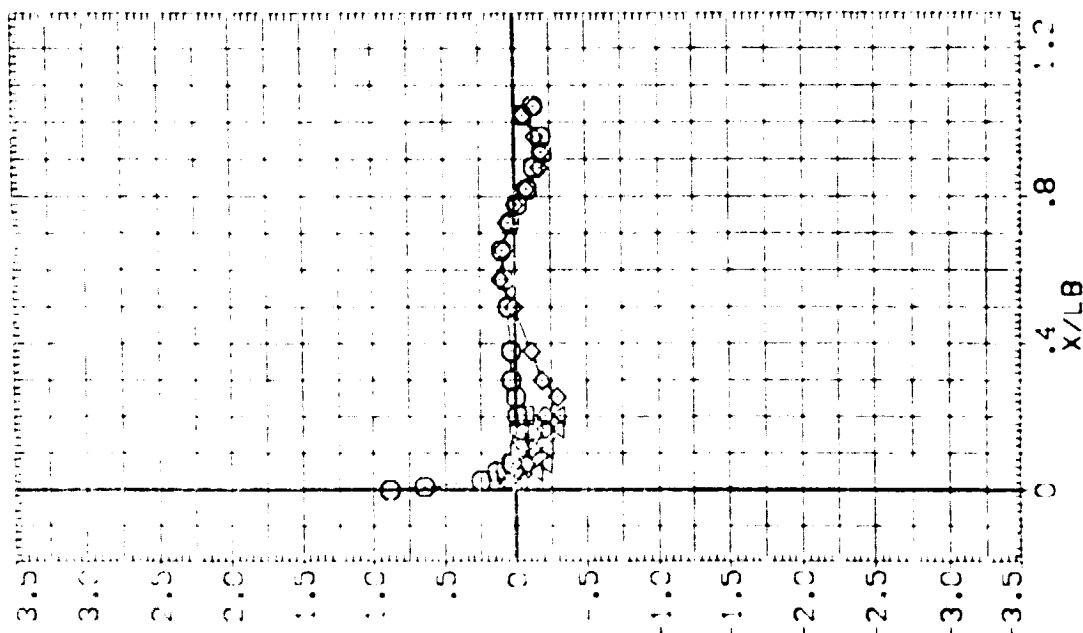


# ORB. FUSELAGE (RB2813)

ADDITIONAL CASES

PARAMETRIC VALUES  
 MAG- .000  
 ELEVON .000  
 SPDR- .000

BETA .000  
 ALPHA .0150  
 REYNOLDS 20,000  
 40,000  
 55,000



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

ARC11-716 0A22 01

ORB. FUSELAGE (RB2B13)

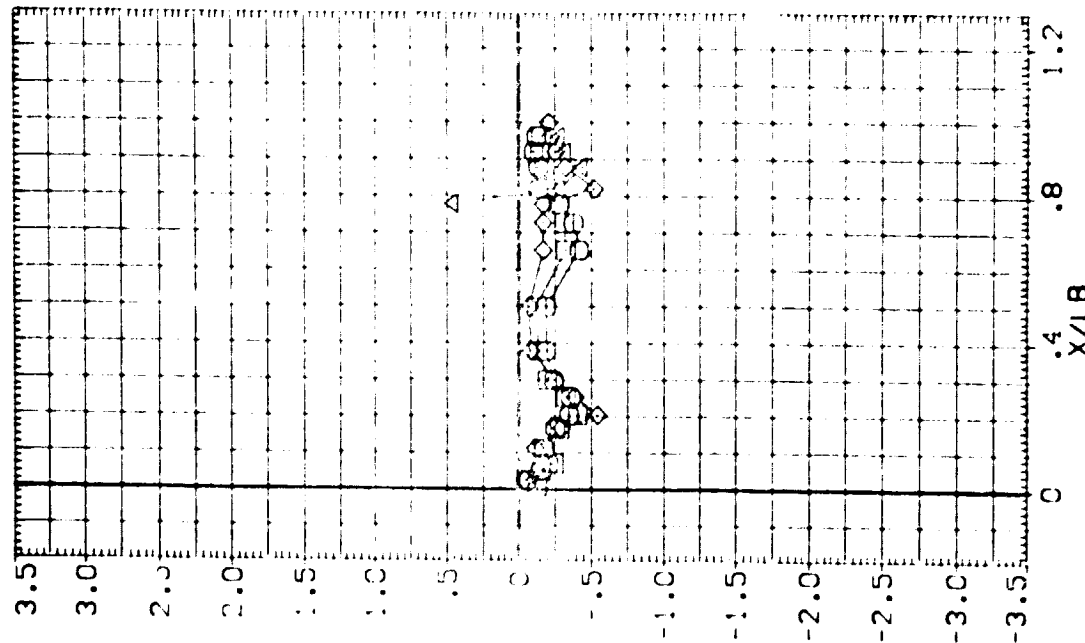
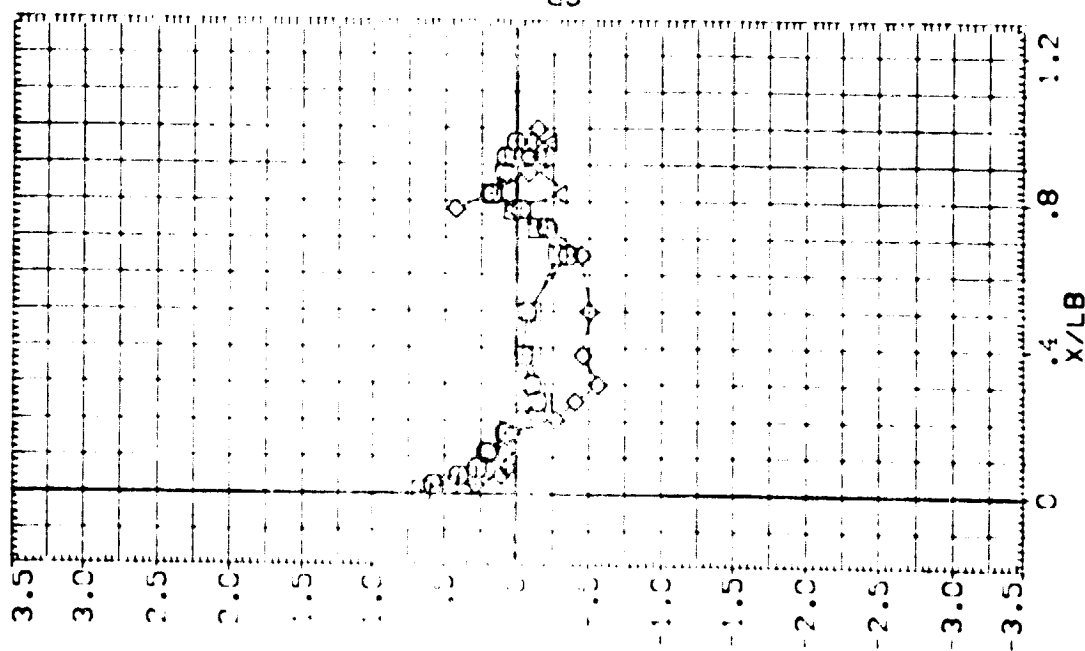
SYMBOL

PHI 70.000  
90.000  
120.000  
135.000

BETA -9.860  
10.110

ALPHA 10.150

PARAMETRIC VALUES  
MACH .500  
RUDDER .000  
ELEVON .000  
SPORR .000



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

# ORB. FUSELAGE (RB2B:3)

PARAMETRIC VALUES  
 .000  
 ELEVON  
 .000  
 SPOON

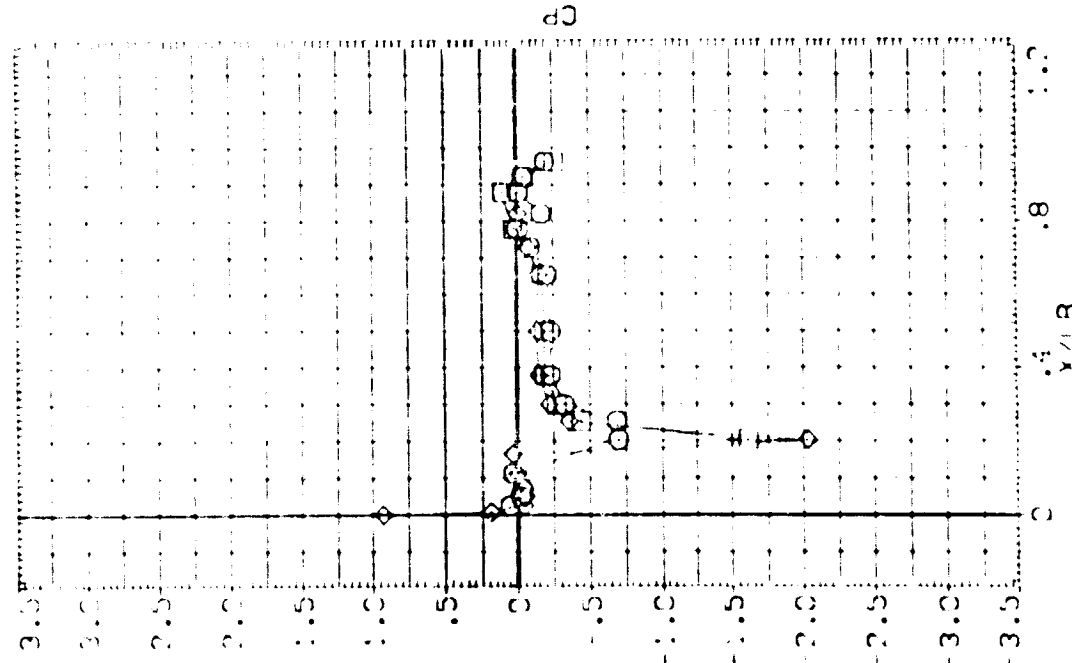
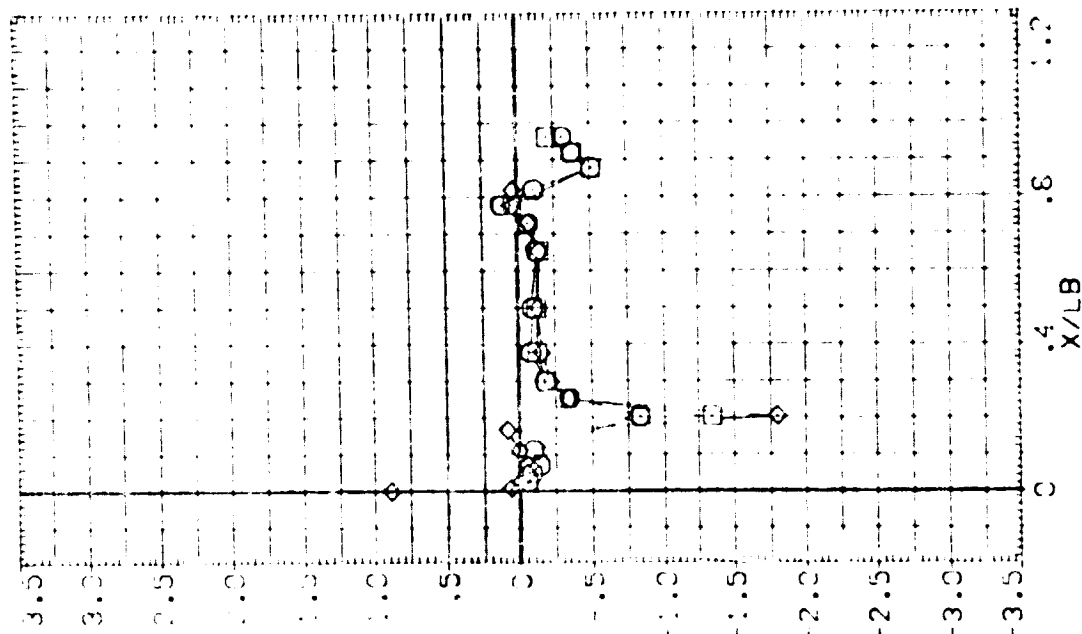
MACH  
 RUDDER

APPROXIMATE CASE NO.

Symbol  
 150.000  
 165.000  
 180.000

BETA  
 9.960  
 10.110

ALPHA  
 10.150



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

ARC11-7:6 0A22 01

ORB. FUSELAGE (RB2B14)

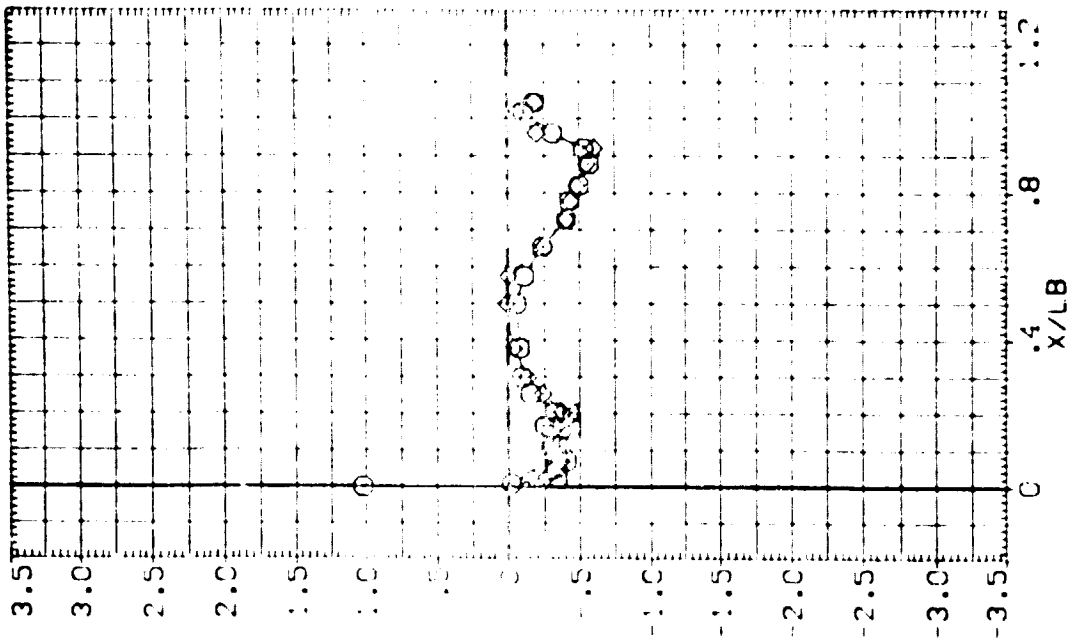
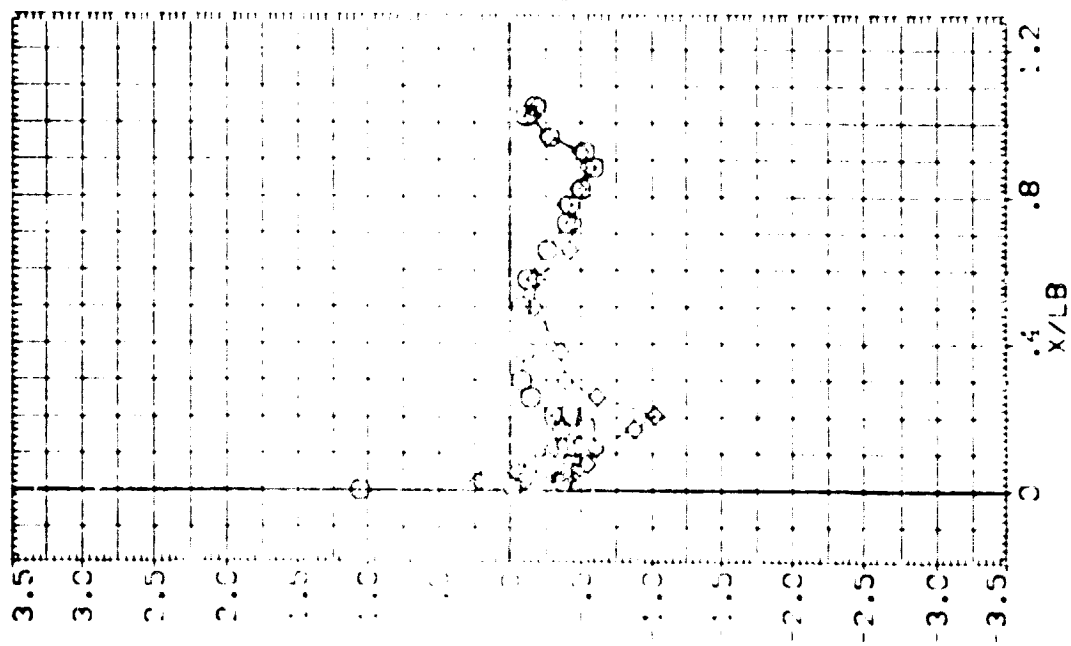
SYMBOL  
○  
◇  
△

PHI .000  
20.000  
40.000  
55.000

BETA -9.860  
10.070

ALPHA -10.160

PARAMETRIC VALUES  
MACH .900  
ELEVON .000  
RUDDER .000  
SPOILER .000



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

ARC11-716 0A22 01

OPB, FUSELAGE (R32B14)

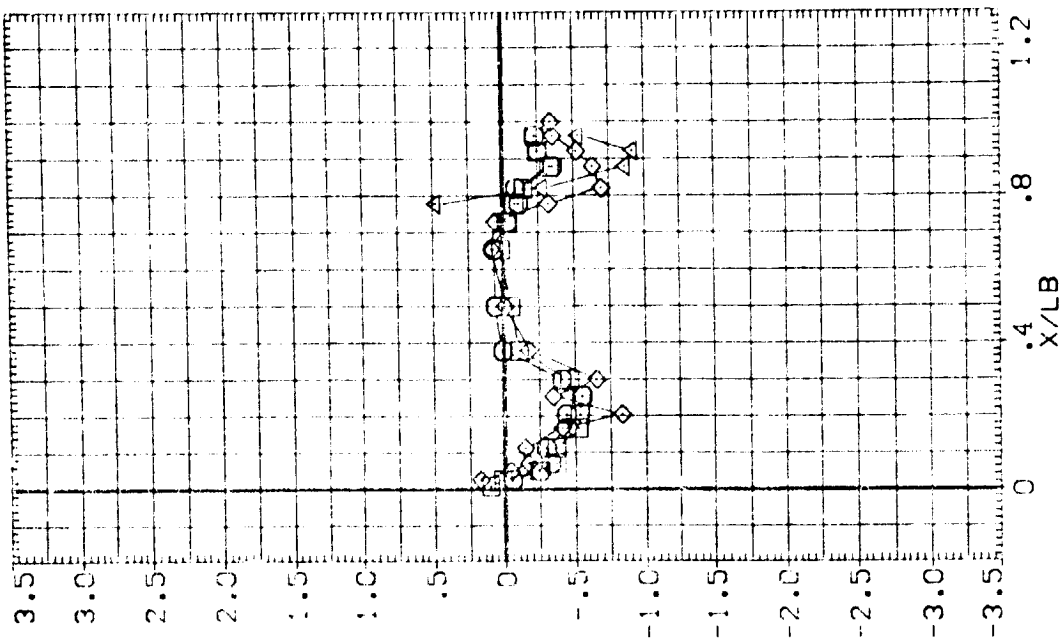
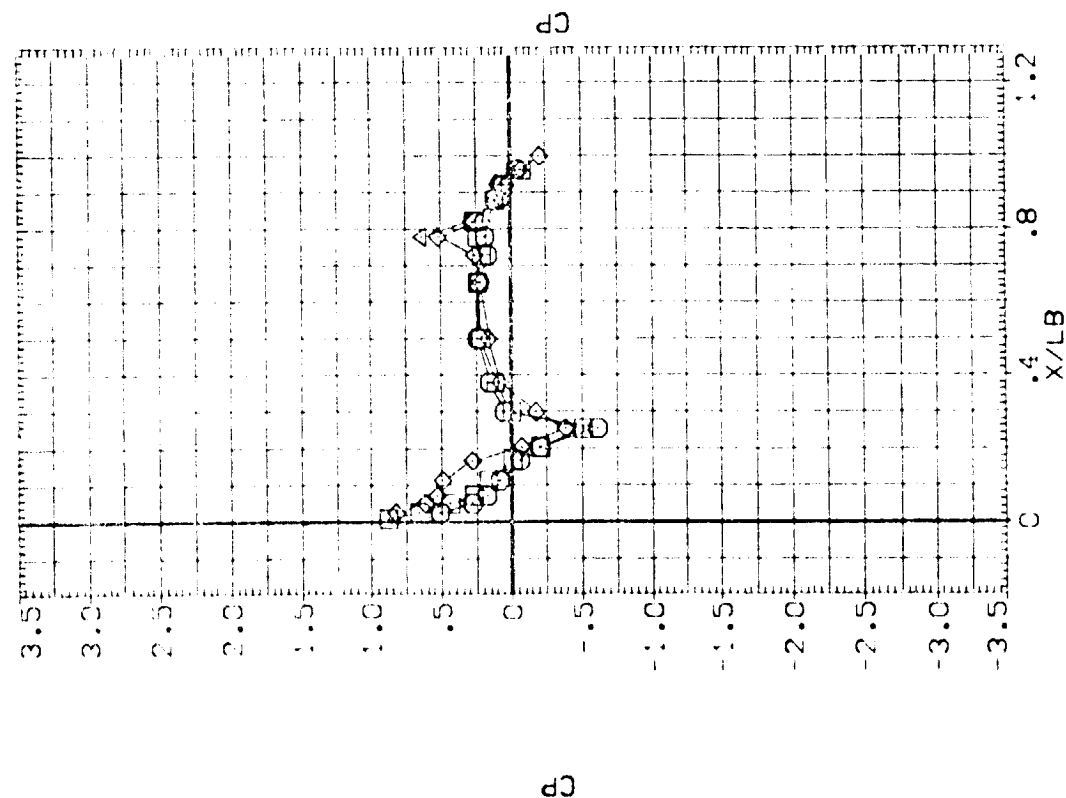
SYMBOL

PHI  
70.000  
90.000  
120.000  
135.000

BETA  
-9.860  
10.070

ALPHA  
-10.160

PARAMETRIC VALUES  
MACH .000  
ELEV/DN .000  
RUDDER .000  
SPC38K .000



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

ARC11-716 0A22 01

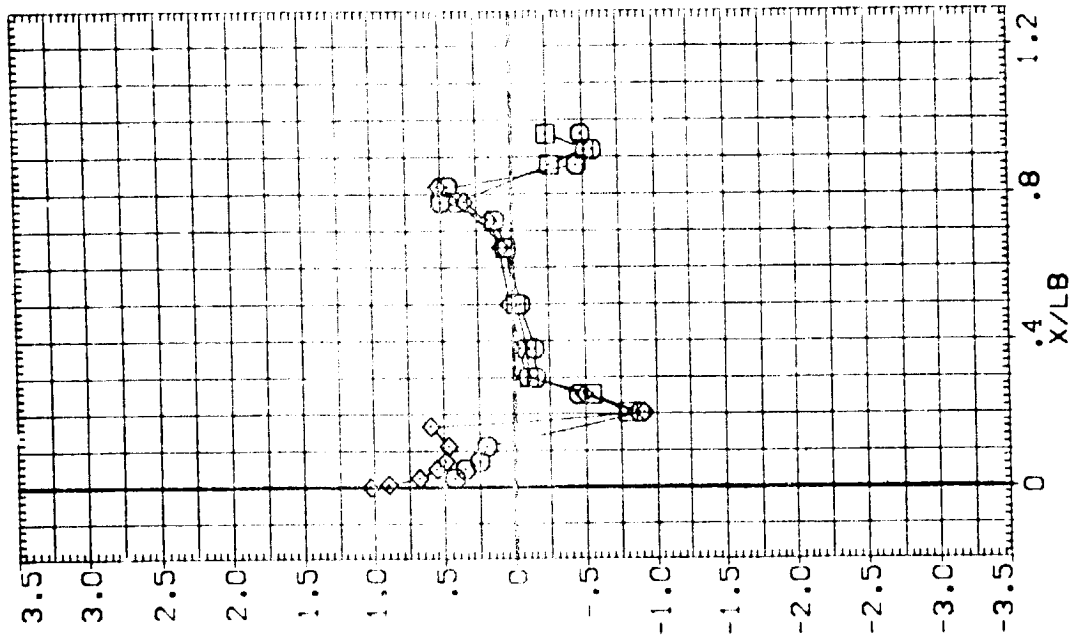
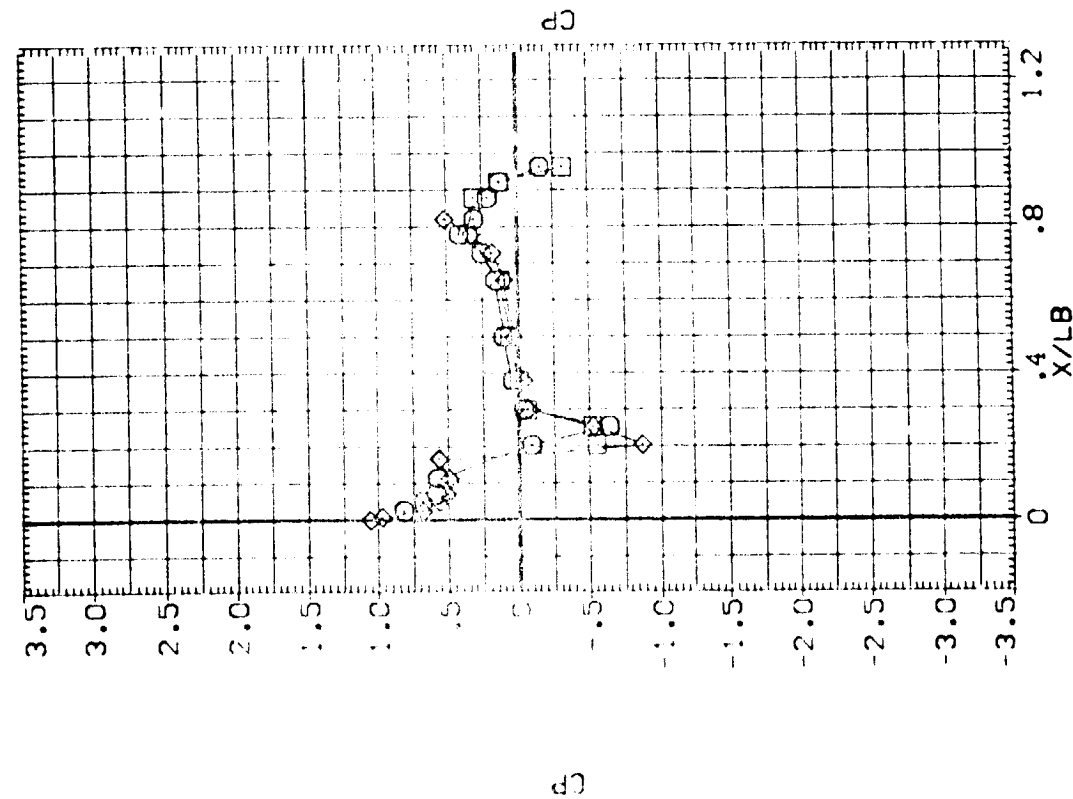
ORB. FUSELAGE (RB2B14)

SYMBOL

PHI  
150.000  
165.000  
180.000

BETA ALPHA  
-9.860 -10.160  
10.070

PARAMETRIC VALUES  
MACH .900 ELEVON .000  
RUDDER .000 SPOILER .000



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

# ORB. FUSELAGE (RB2B14)

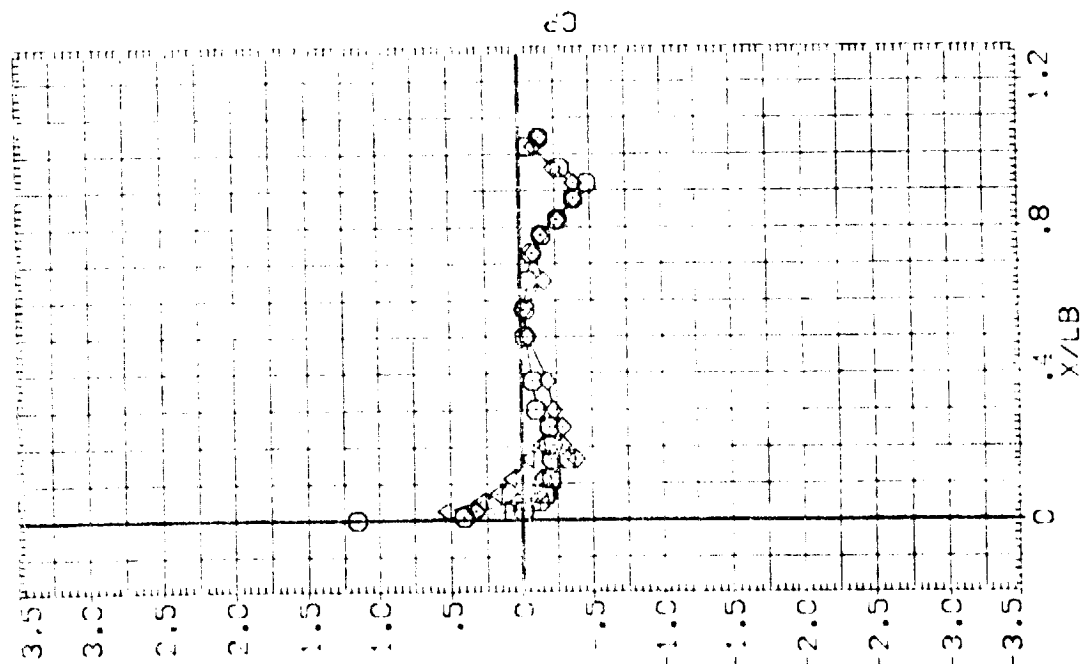
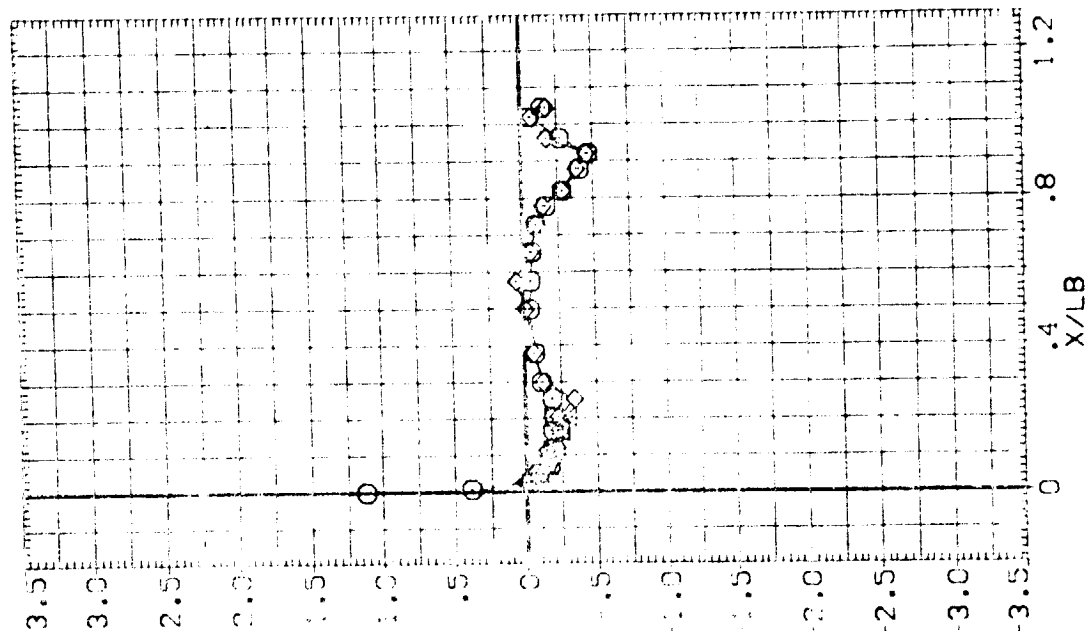
PARAMETRIC VALUES  
 .900 ELEVON .000  
 .000 SPOILER .000

MACH  
 RUDDER

ARC11-716 0A22 C:

BETA ALPHA  
 -9.950 -.160

SYMBOL  
 0  
 20.000  
 40.000  
 55.000



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

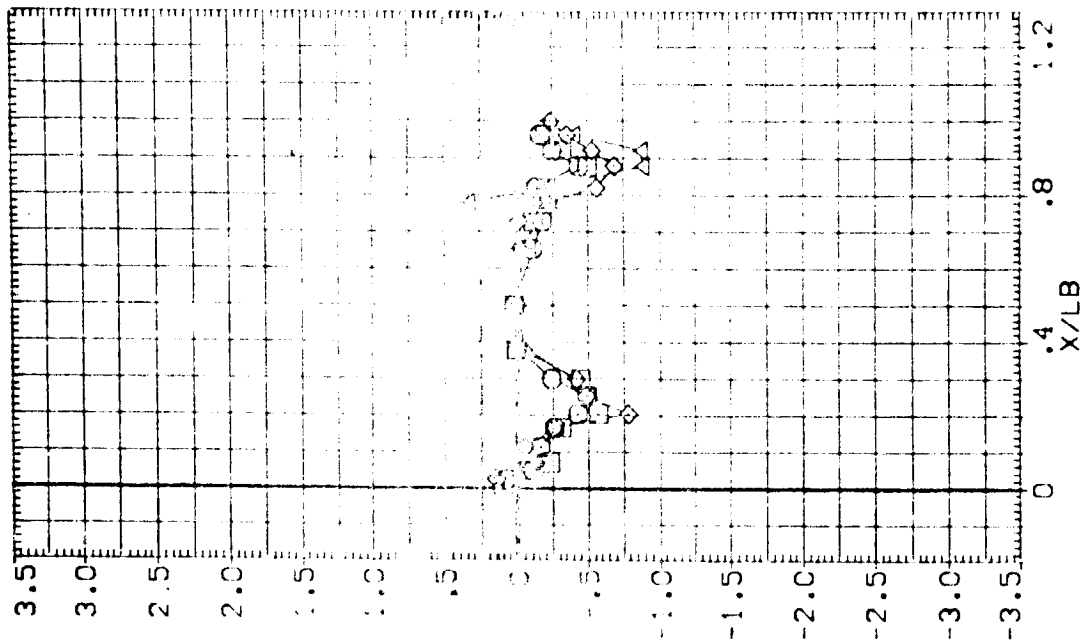
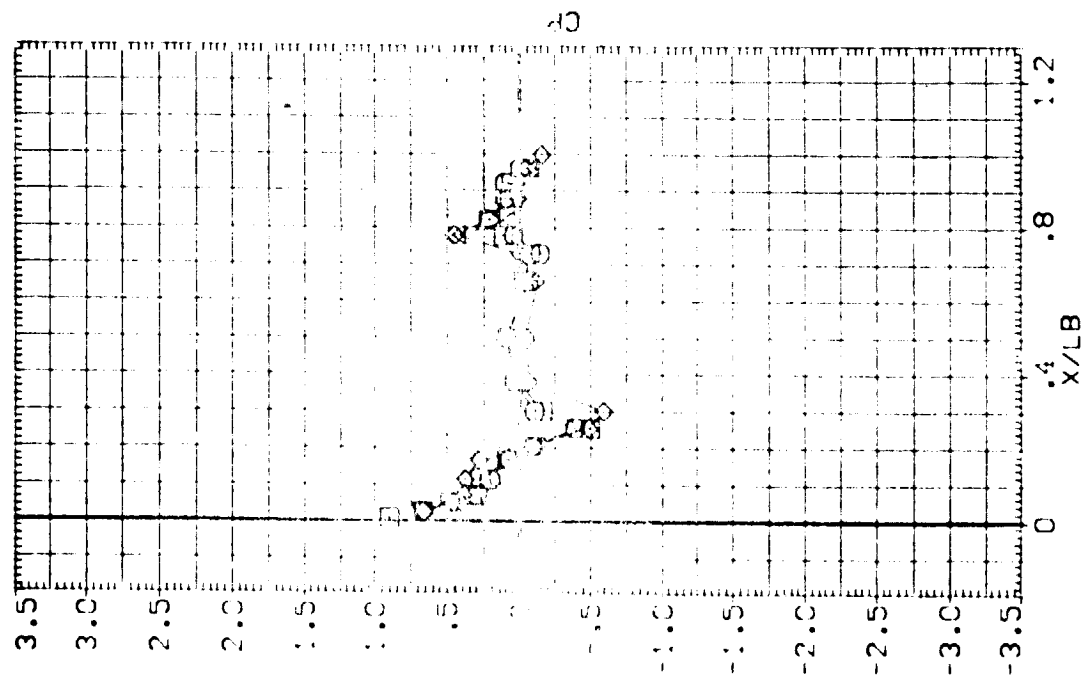
ARC11-716 CA22 C1

ORB. FUSELAGE (RB2B14)

SYMBOL  
○ □ ◇ △

PHI BETA ALPHA  
70.000 -9.950 -.160  
90.000 10.000  
120.000  
135.000

PARAMETRIC VALUES  
MACH .900 ELEVON .000  
RUDDER .000 SPDBRK .000



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES





# ORB, FUSELAGE (RB2B14)

ARC11-16 0A22 01

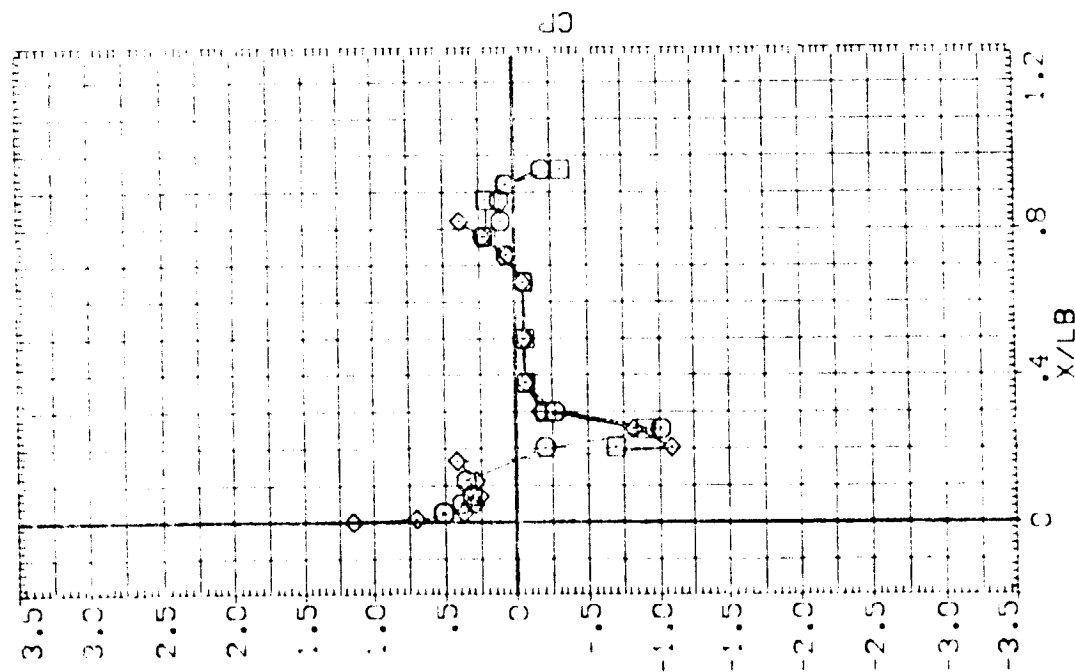
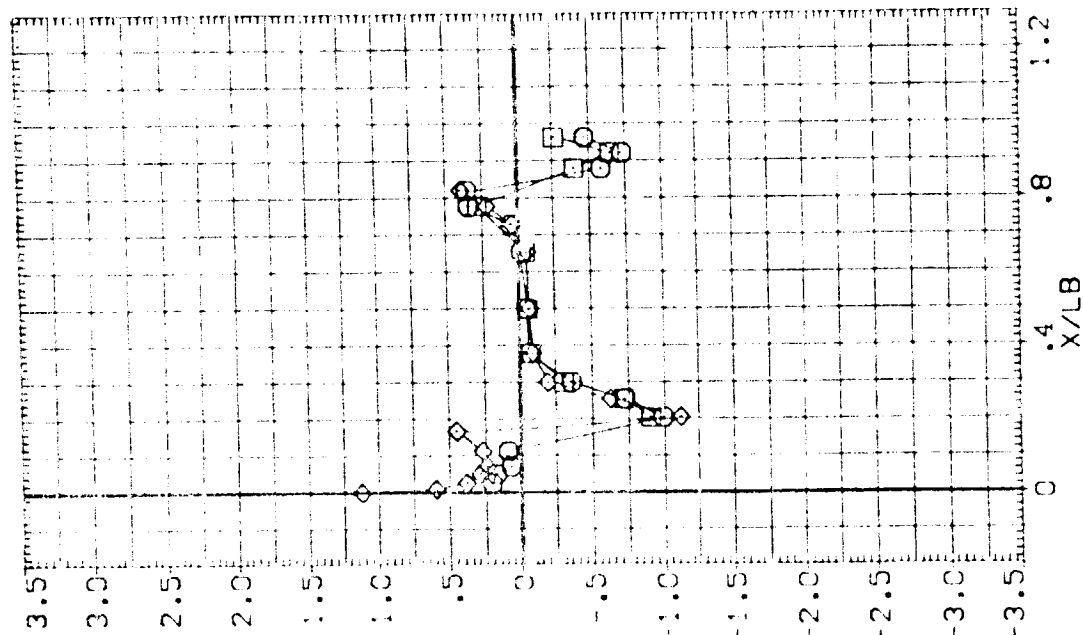
SYMBOL

150,000  
165,000  
180,000

BETA  
-9.950  
10.000

ALPHA  
-1.160

PARAMETRIC VALUES  
MACH .900  
RUDDER .000  
ELEVON .000  
SPOBRK .000



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

# ORB. FUSELAGE (RB2B14)

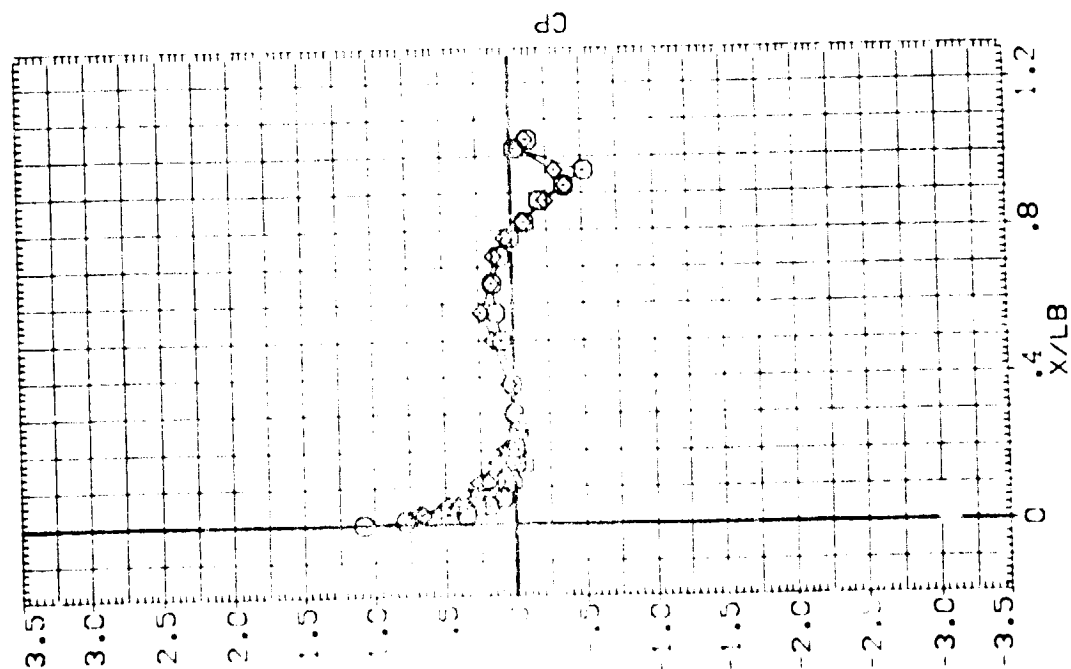
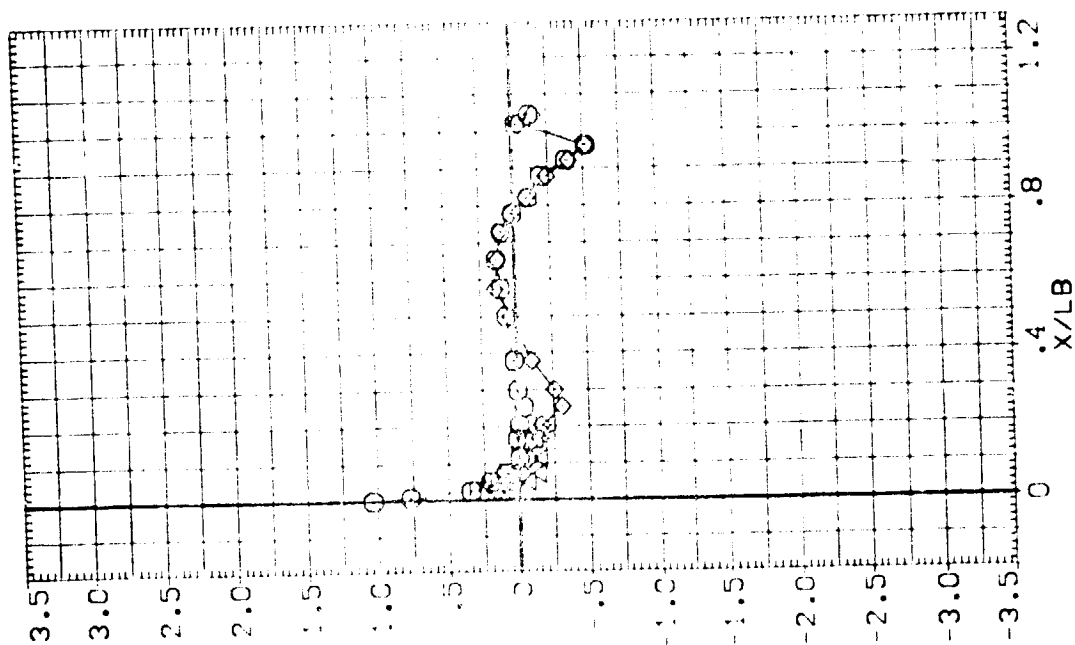
ARC11-716 0A22 01

SYMBOL  
 PH1  
 .000  
 20.000  
 40.000  
 55.000

BETA  
 -9.870  
 10.100

ALPHA  
 10.050

PARAMETRIC VALUES  
 MACH .900  
 RUDDER .000  
 ELEVON .000  
 SPOILER .000



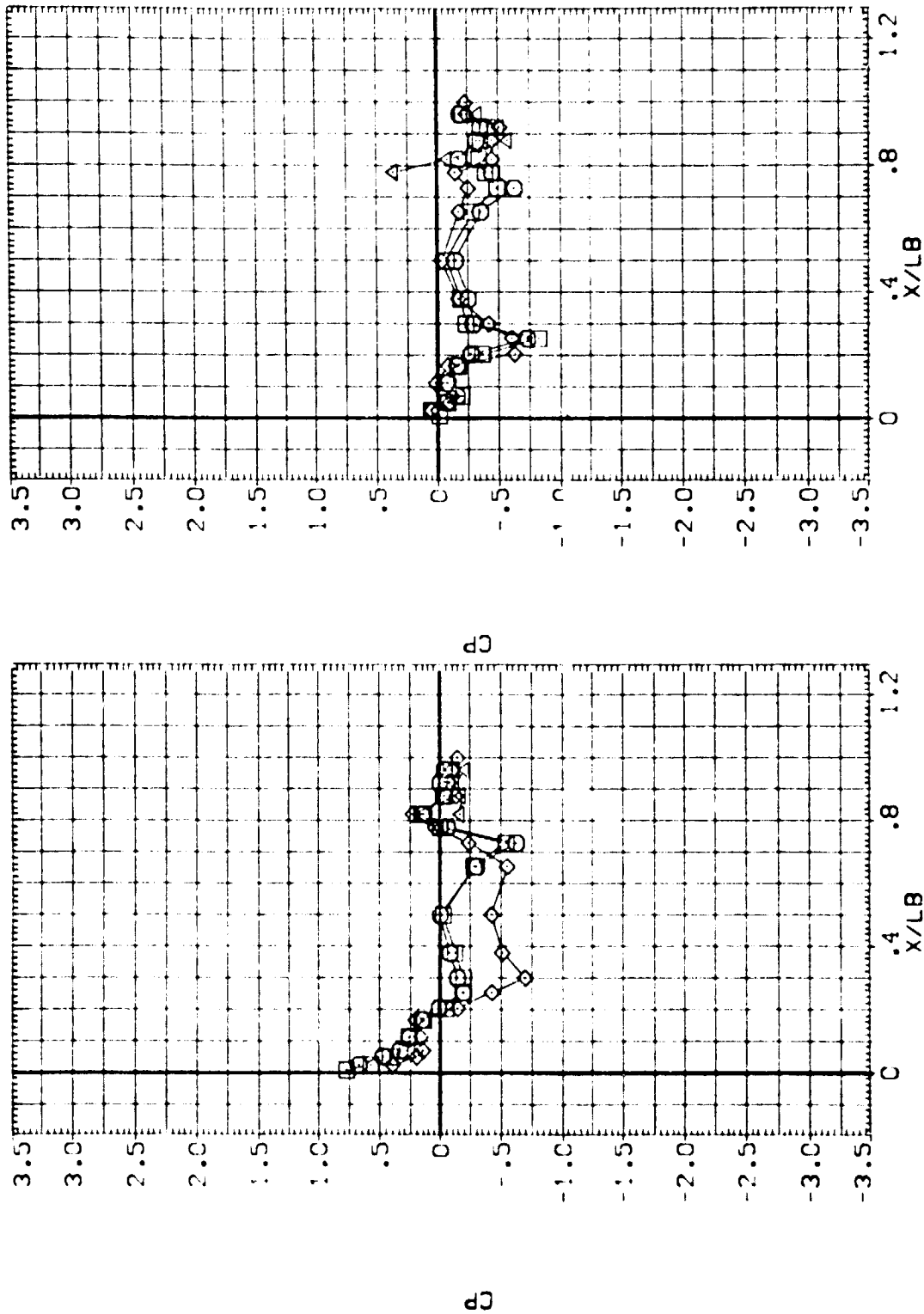
LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



ARC11-716 OA22 01

ORB. FUSELAGE (RB2B14)

SYMBOL	PHI	BETA	ALPHA	PARAMETRIC VALUES		
				MACH	.900	.000
○	70.000	-9.870	10.050	RUDDER	.000	.000
◇	90.000	10.100				
△	120.000					
×	135.000					



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

ARC11-716 CA22 01

OR3. FUSELAGE (R32B14)

SYMBOL

150.000  
165.000  
180.000

BETA

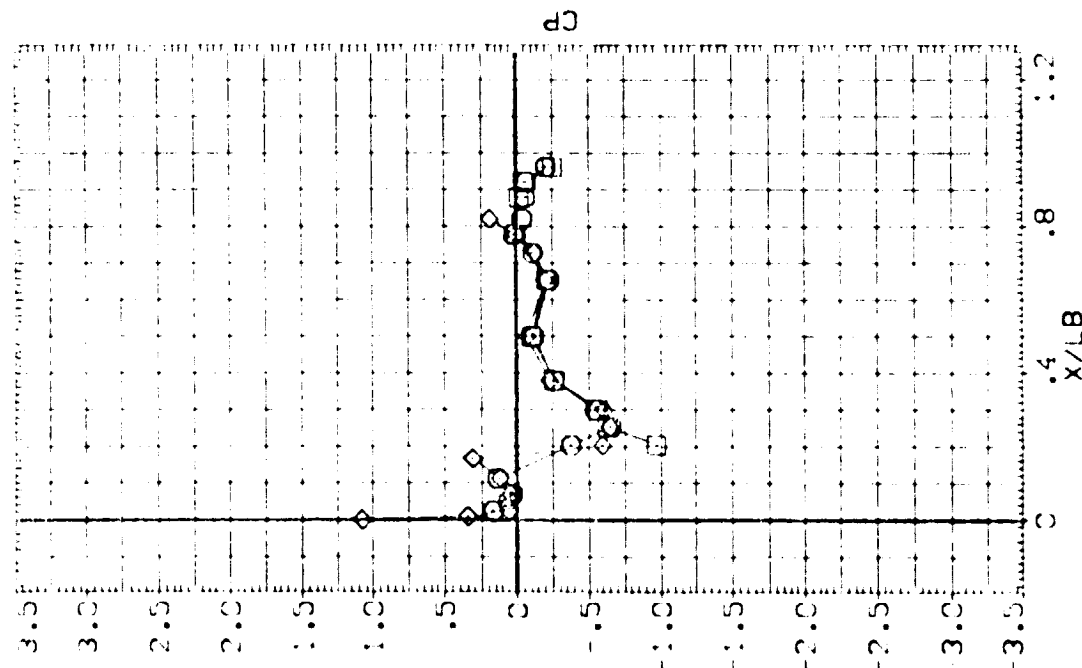
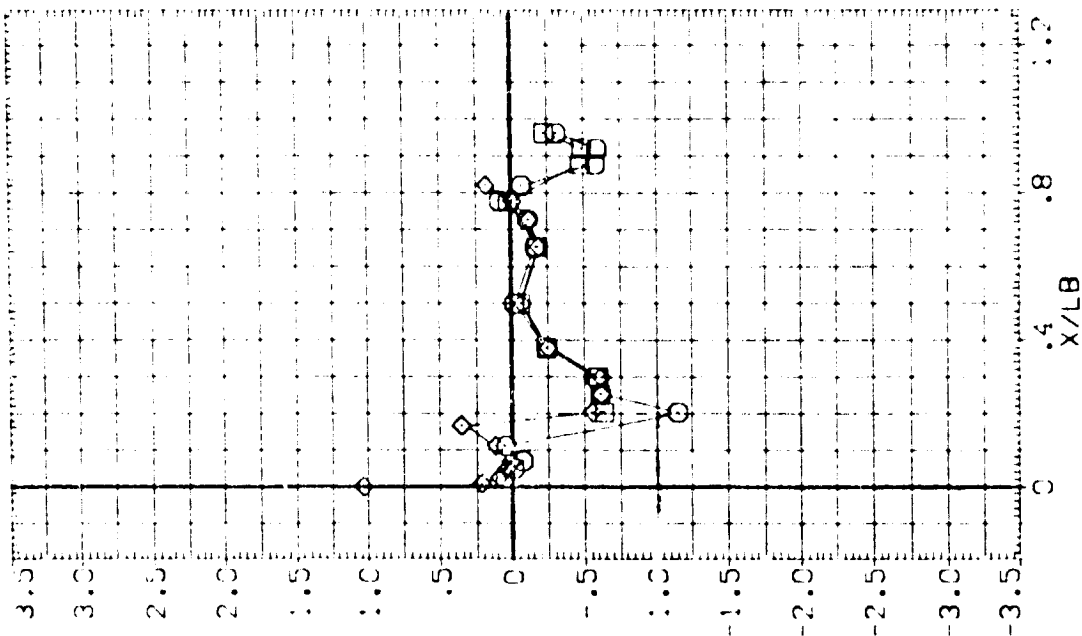
9.870  
10.100

ALPHA

13.050

PARAMETRIC VALUES

WACH .000  
RUDDER .000  
ELEVON .000  
SPRINGER .000

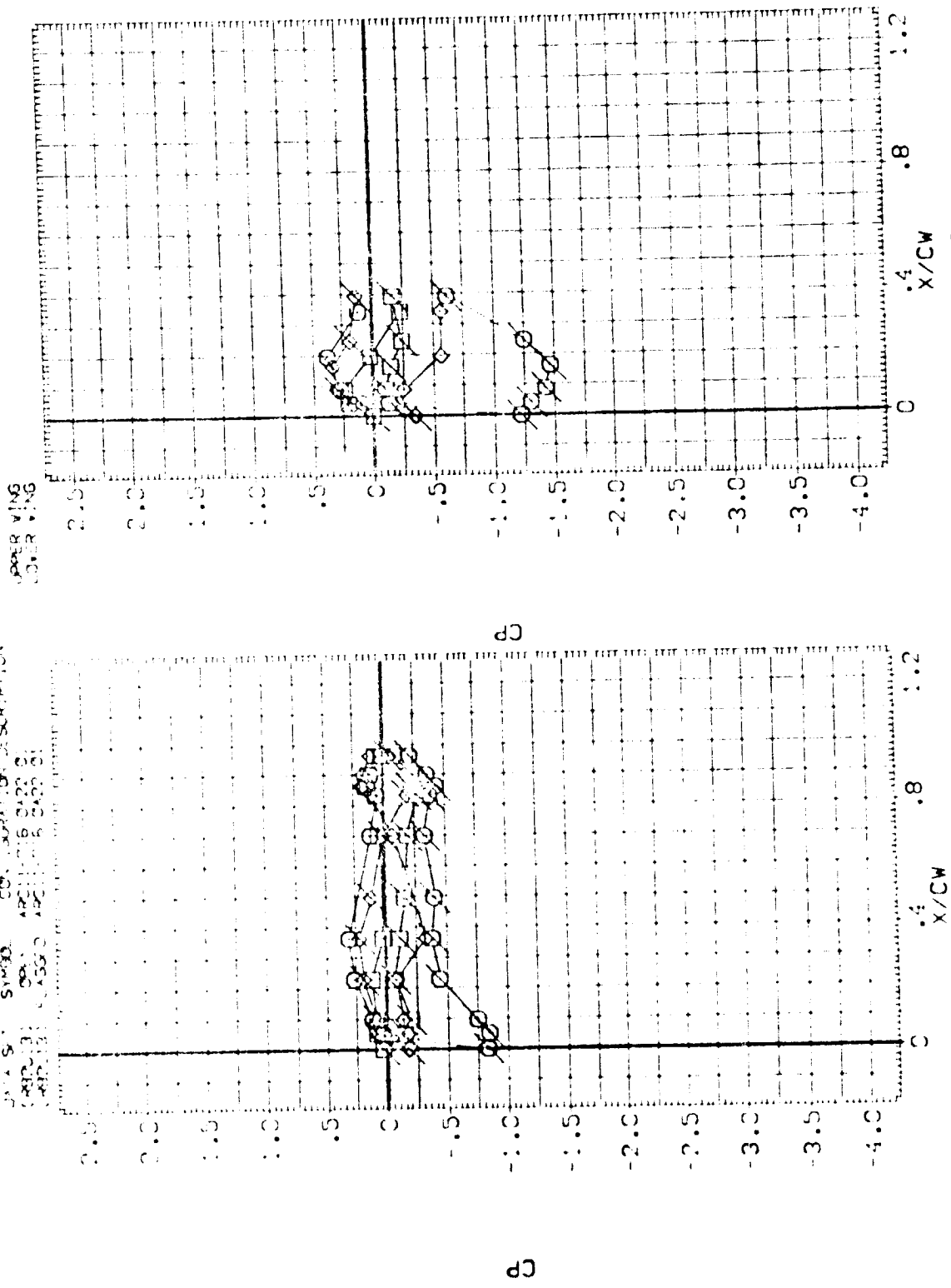


LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

PARAMETRIC VALUES  
 MACH .600  
 ELEVON .000  
 RUDDER .000

SYMBOL ALPHA VIB BETA  
 1 0.000 1.295 -9.870  
 2 0.150 1.364

DATA SET SYMBOL COORDINATION DESCRIPTION  
 (4800) 1 0.000 1.295 -9.870  
 (4800) 2 0.150 1.364



CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

PARAMETRIC VALUES

MACH  
RUDDER

BETA  
-9.870

Y/BV  
.427  
.534

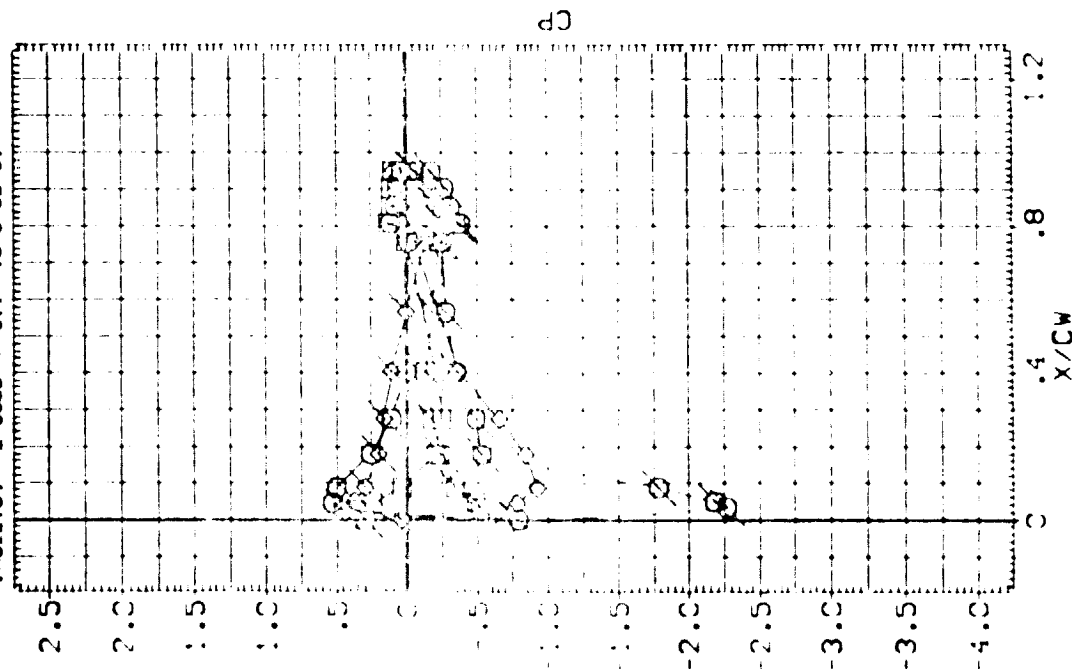
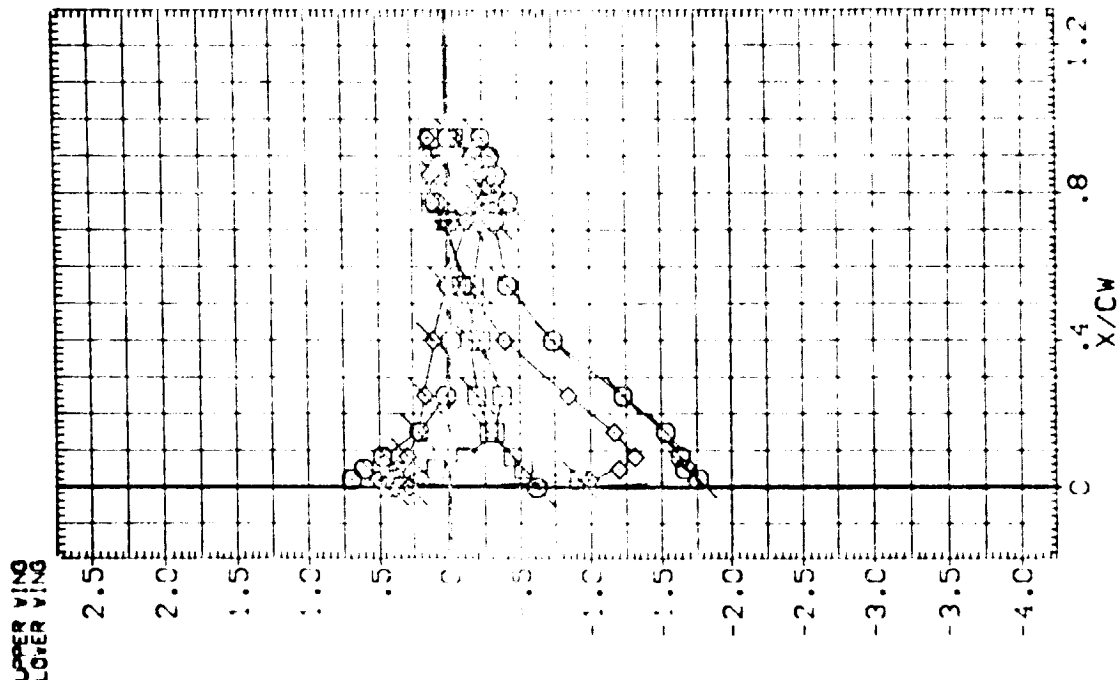
ALPHA  
-10.000  
-1.110  
10.150

SYMBOL  
O  
X  
◇

DATA SET SYMBOL CONFIGURATION DESCRIPTION

{RBZJ 3} OPEN ARC1: -7.18 DA22 01

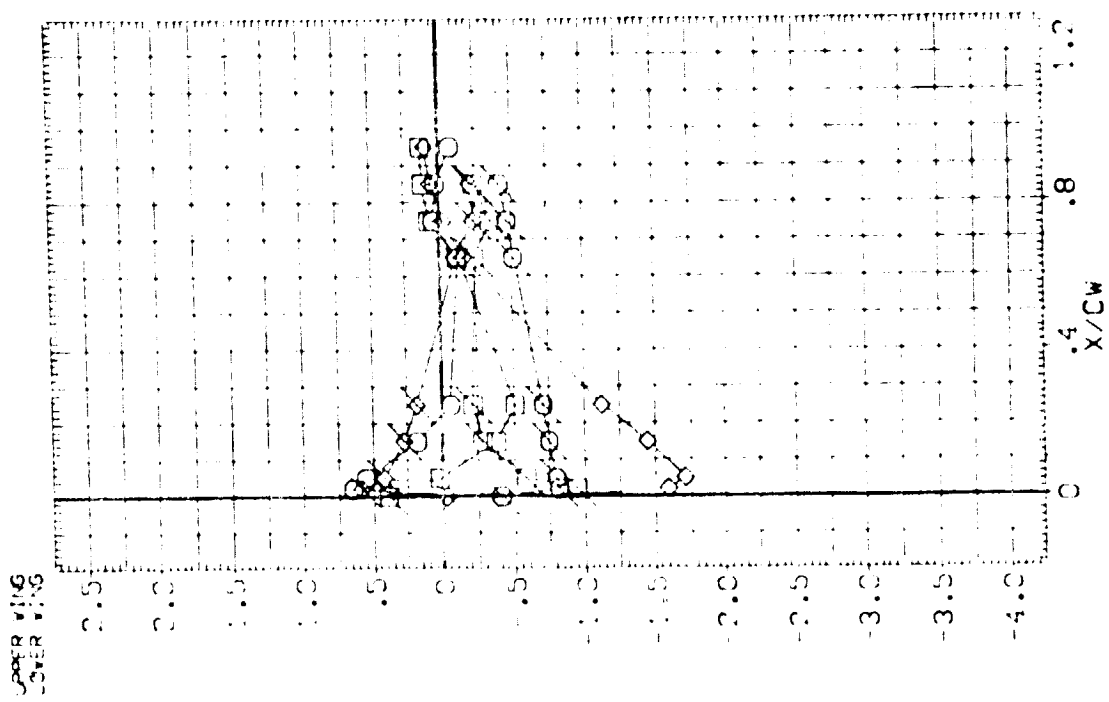
{RBZJ 3} FLAGGED ARC1: -7.18 DA22 01



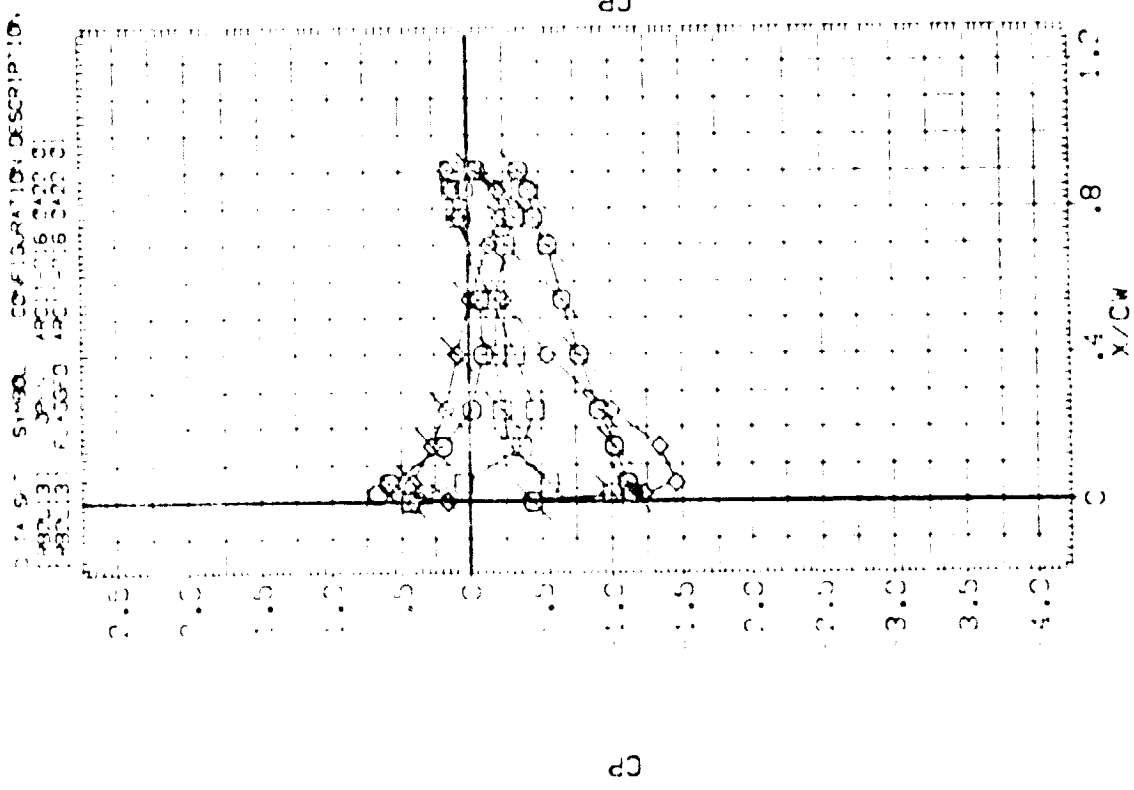
CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES



PARAMETRIC VALUES  
 MACH .600 ELEVON .000  
 RUDDER .000



SYMBOL A/DATA  
 O -0.000  
 O -0.010  
 O -0.020  
 O -0.030  
 O -0.040  
 O -0.050  
 O -0.060  
 O -0.070  
 O -0.080  
 O -0.090  
 O -0.100  
 O -0.110  
 O -0.120  
 O -0.130  
 O -0.140  
 O -0.150



CHRONISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

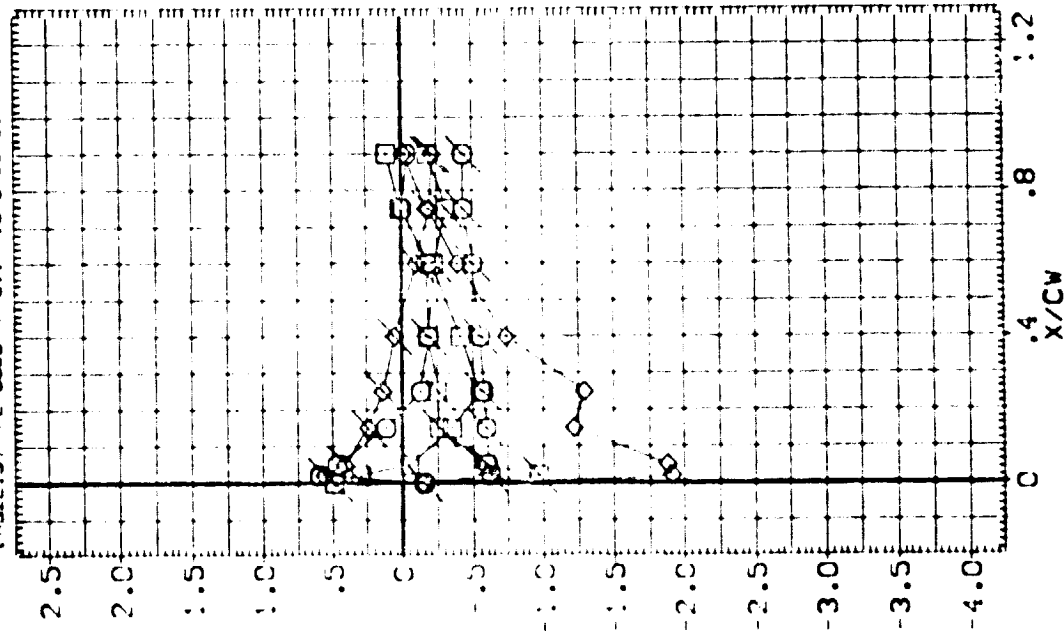
SYMBOL ALPHA  
 ○ -10.000  
 ◇ -1.110  
 ◇ 10.150

Y/BV .887 BETA -9.870

PARAMETRIC VALUES  
 MACH .600  
 RUDDER .000  
 ELEVON .000  
 SPEEDBRK .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 [R82J13] OPEN ARC:-7:6 0A22 01  
 [R82J13] FLAGGED ARC:-7:6 0A22 01

UPPER WING  
 LOWER WING



CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

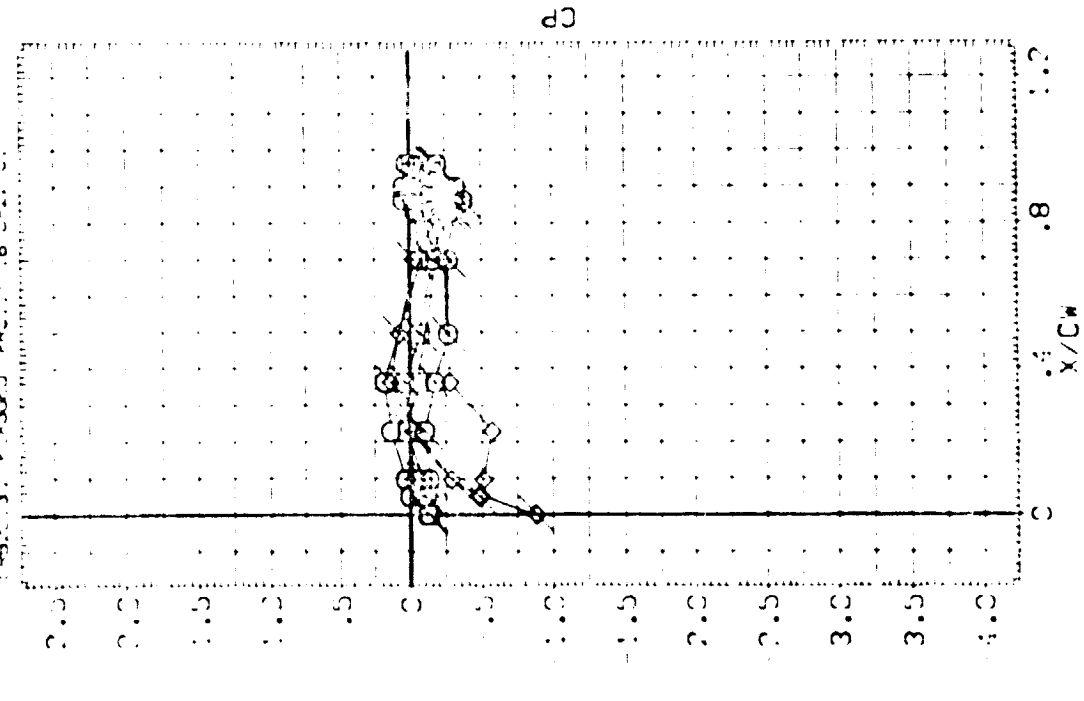
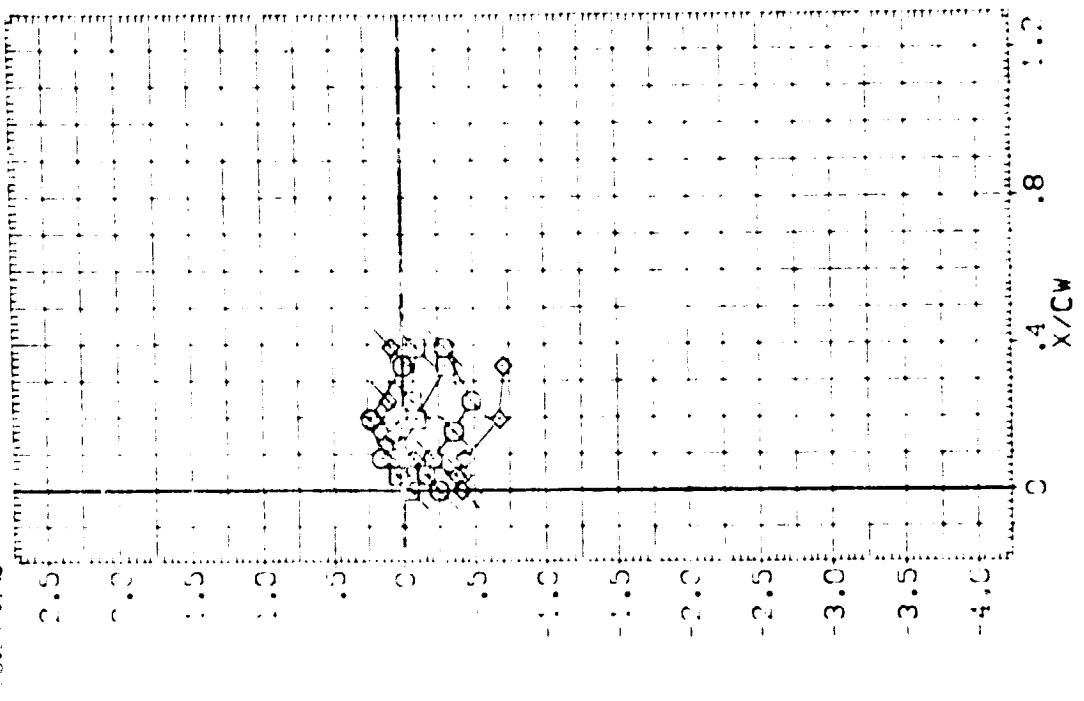


PARAMETRIC VALUES  
 MACH .600  
 REYNOLDS .000  
 ELEVATION .000  
 SPAN .000

UPPER WING  
 LOWER WING

SYMBOL DATA  
 10.000 10.110  
 10.110 10.110  
 10.110 10.110

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 10.110 10.110 10.110 10.110  
 10.110 10.110 10.110 10.110



CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

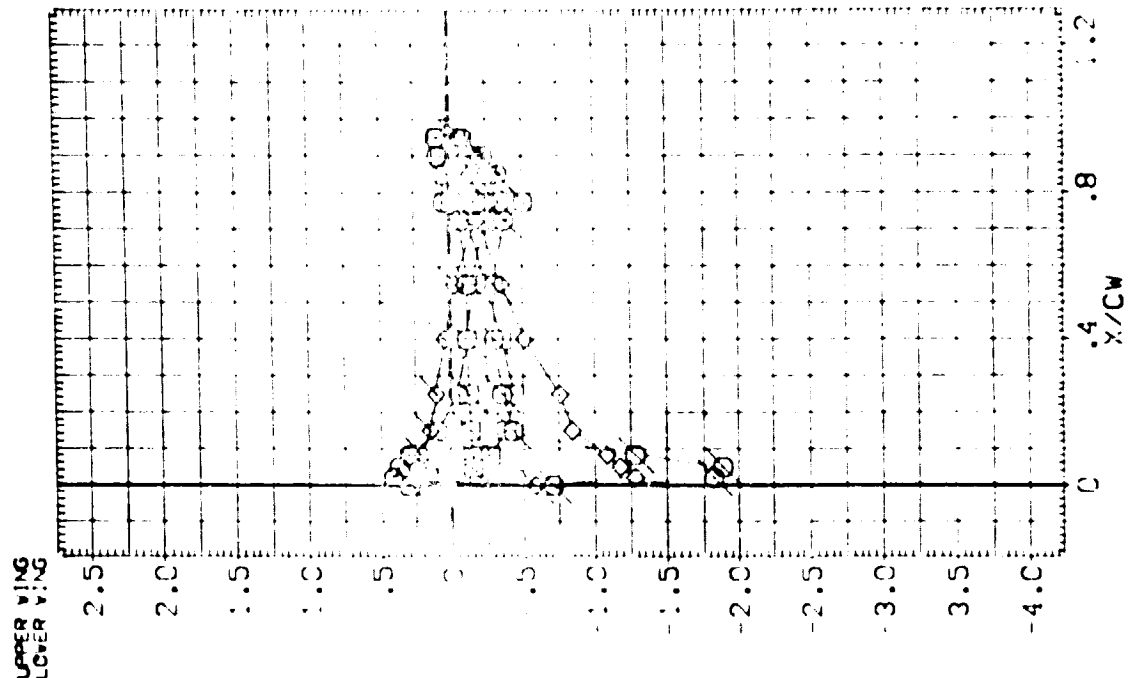
SYMBOL ALPHA  
 O -10.000  
 -110  
 10.150

Y/BV BETA  
 .427 10.110  
 .534

PARAMETRIC VALUES  
 MACH .600  
 RUDDER .000  
 ELEVON .000  
 SPOBRK .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[RB21-3] OPEN ARC11-716 OA22 O1  
 [RB21-3] FLAGGED ARC11-716 OA22 O1



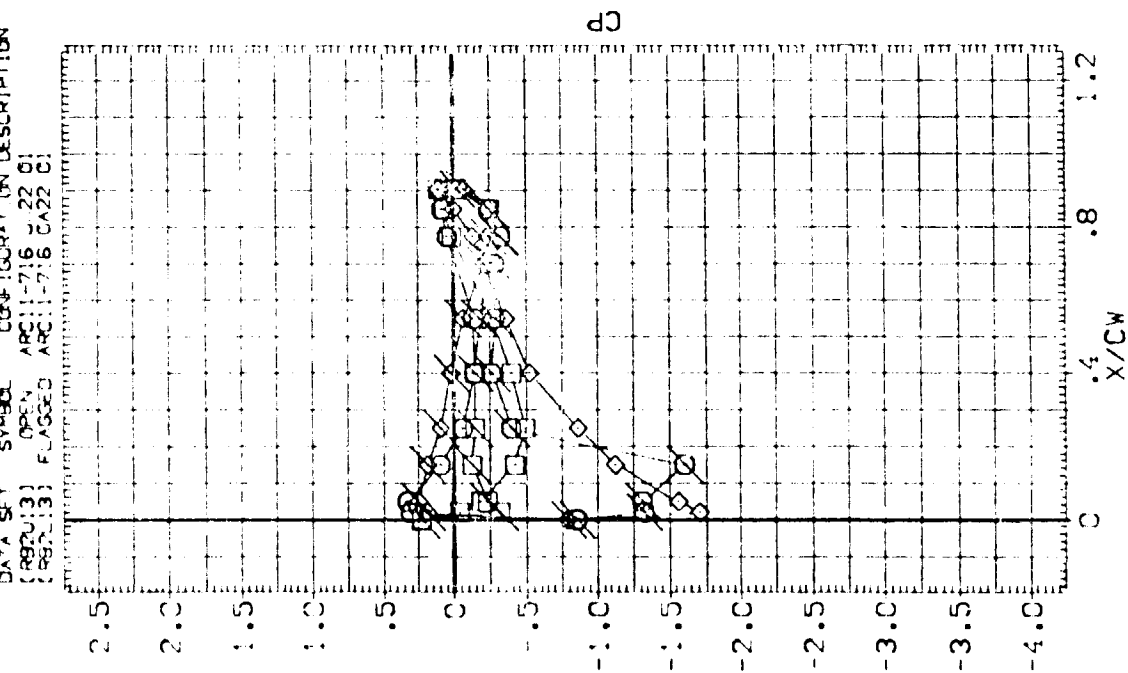
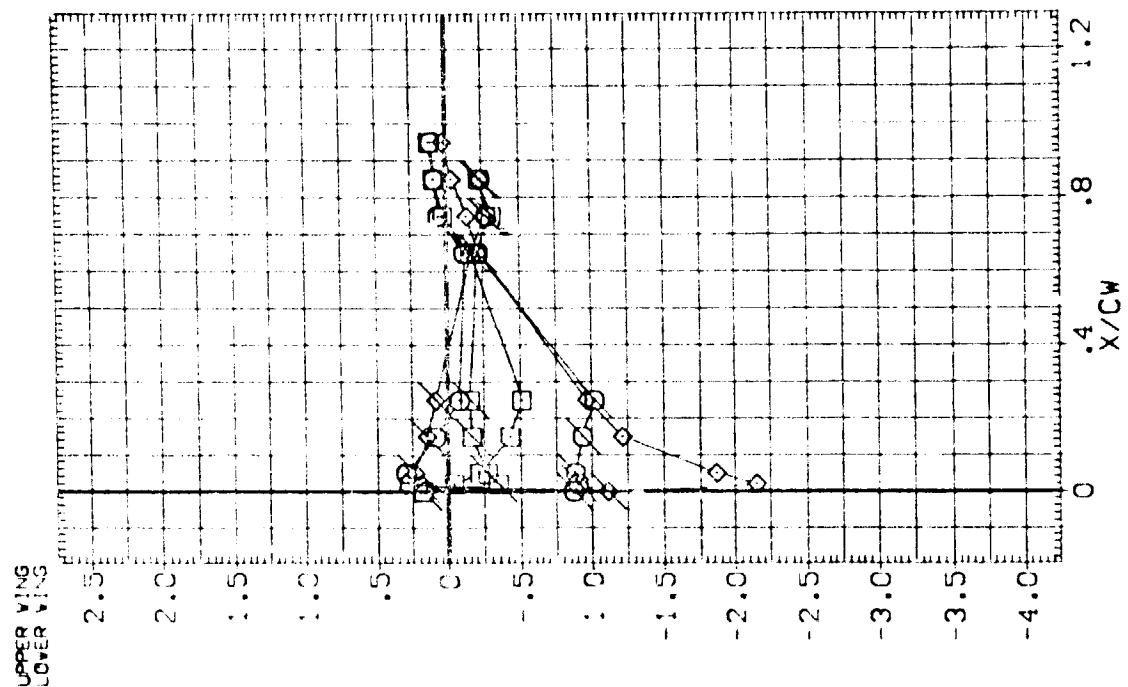
CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

PARAMETRIC VALUES  
 MACH .600 ELEVON .000  
 RUDDER .000 SPOBRK .000

UPPER WING  
 LOWER WING

SYMBOL ALPHA Y/BV BETA  
 -10.000 .673 10.110  
 -1.110 .780  
 10.150

DATA SET SYMBOL CONFIGURAT (IN DESCRIPTION)  
 (R82U13) OPEN ARC11-716 U-22 Q1  
 (R82U13) FLAGGED ARC11-716 CA22 Q1



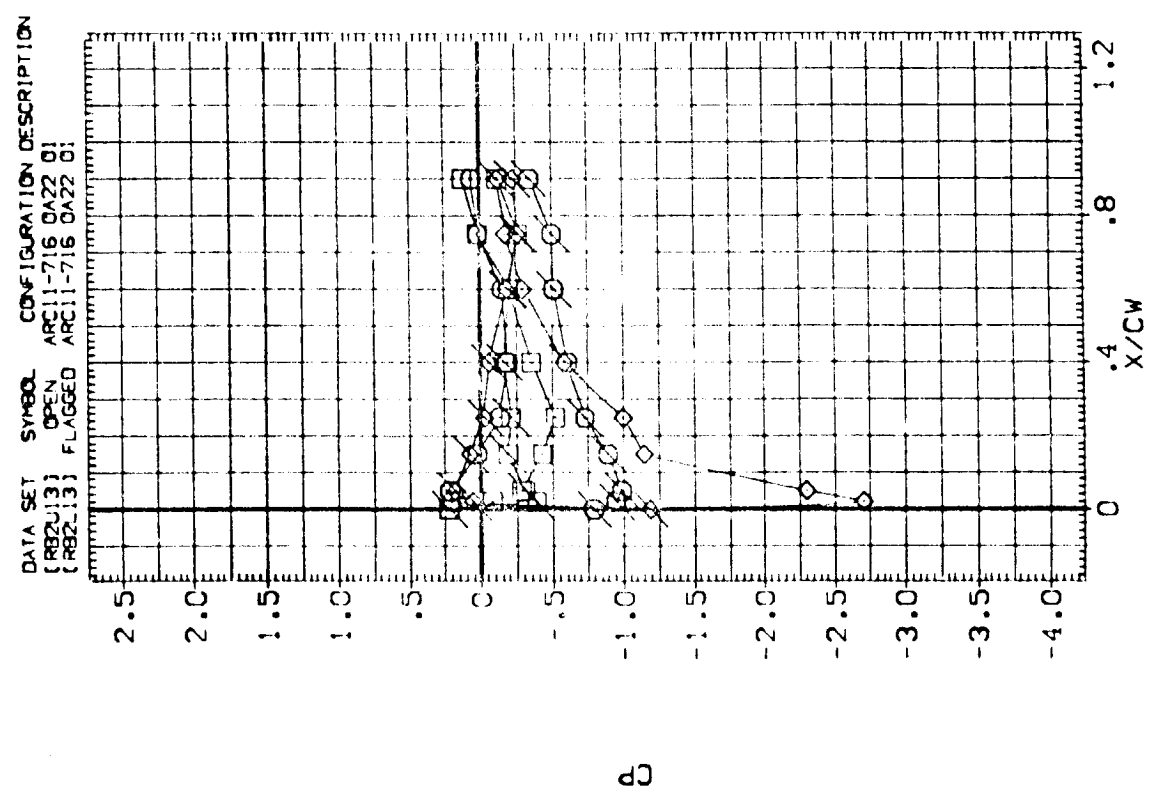
CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

PARAMETRIC VALUES  
 .600 ELEVON  
 .000 SPOILER  
 .000

MACH  
 RUDDER

SYMBOL ALPHA Y/BV BETA  
 -10.000  
 -1.110  
 10.150

UPPER WING  
 LOWER WING



CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

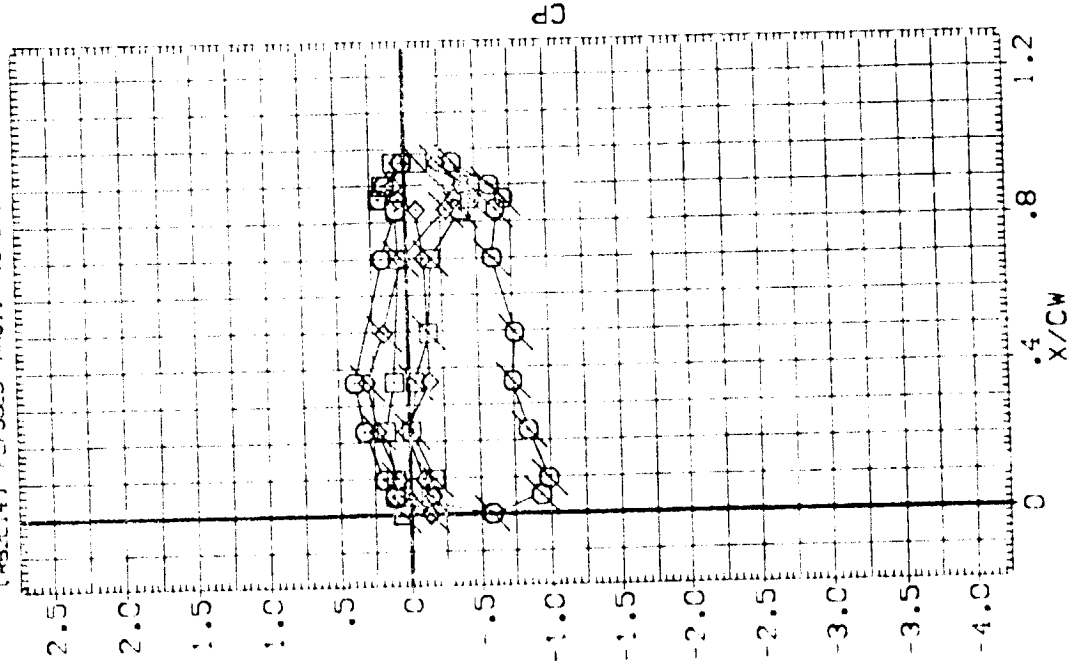
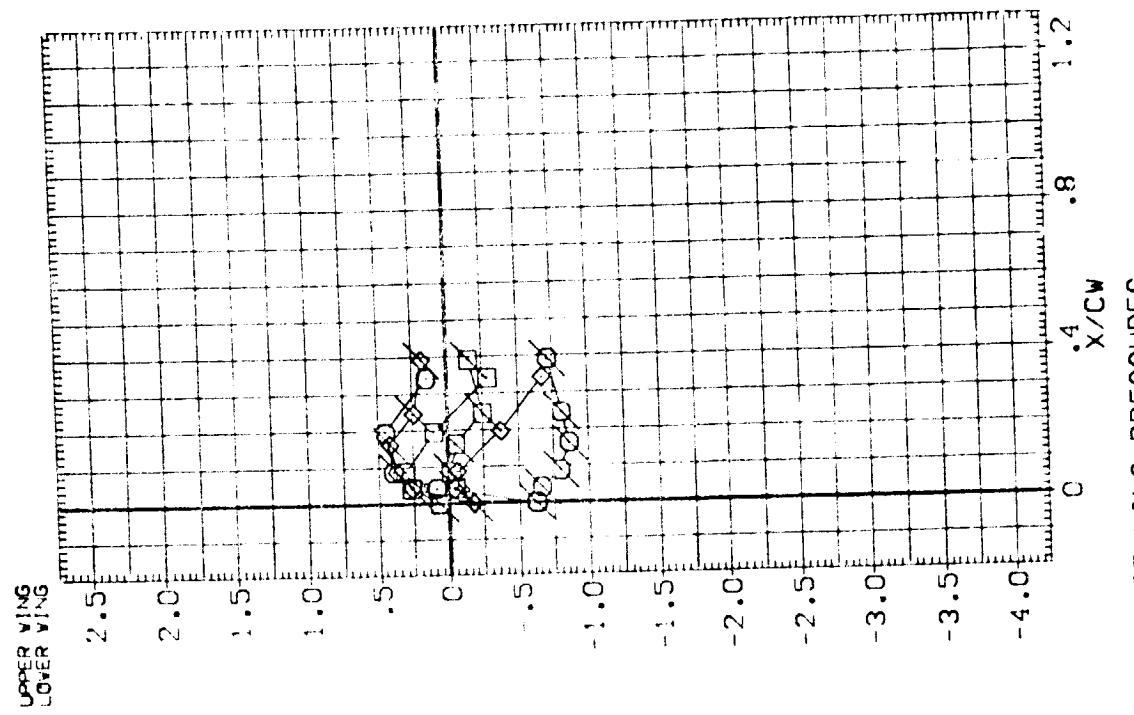


SYMBOL ALPHA Y/B<sub>0</sub> BETA

-10.160 .299 -9.860  
 -1.160 .364  
 10.050

PARAMETRIC VALUES  
 MACH .900 ELEVON .000  
 RUDDER .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (R92U14) OPEN ARC11-716 GA22 G1  
 (R92U14) FLASSED ARC11-716 GA22 G1



CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

PARAMETRIC VALUES  
 .000 ELEVON  
 .000 SPOILER  
 .000

MACH  
 RUDDER

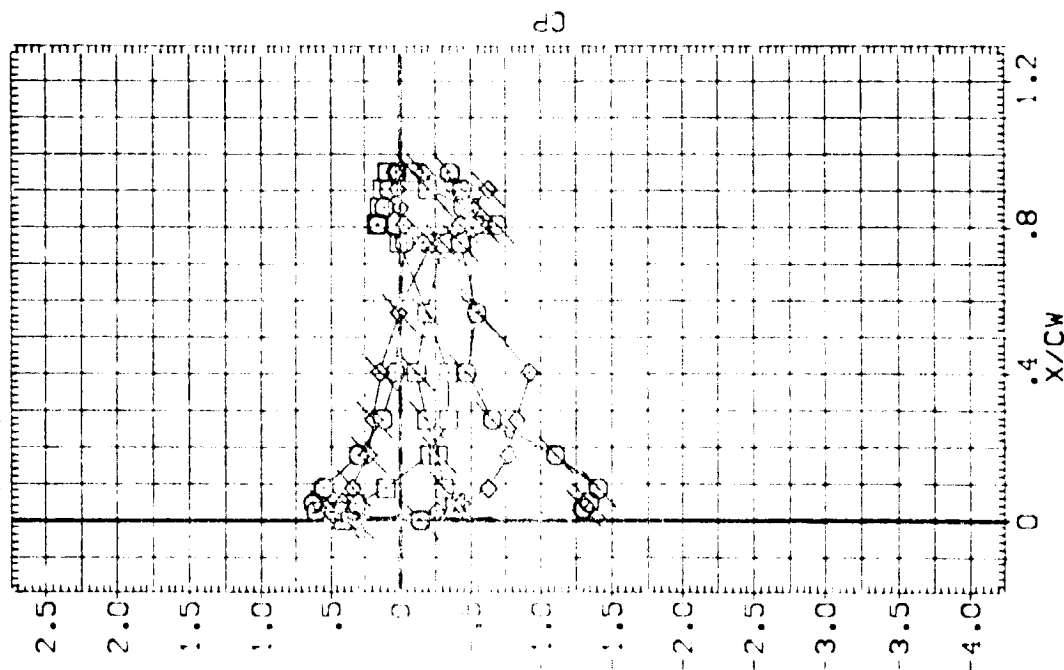
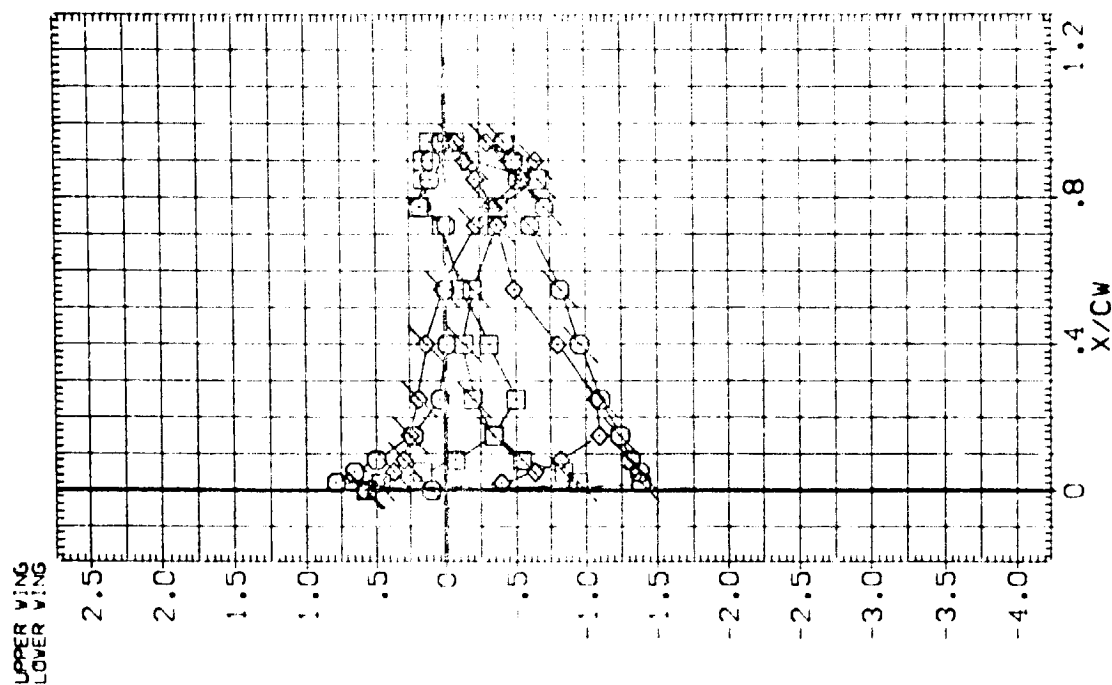
BETA  
 -9.860

Y/BV  
 .427  
 .534

ALPHA  
 -10.160  
 -1.160  
 10.050

SYMBOL  
 ○  
 □  
 ◇

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (R92U14) OPEN ARC11-716 OA22 01  
 (R8214) FLAGGED ARC11-716 OA22 01



CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES



PARAMETRIC VALUES

MACH	.900	ELEVON	.000
RUDDER	.000	SPDBRK	.000

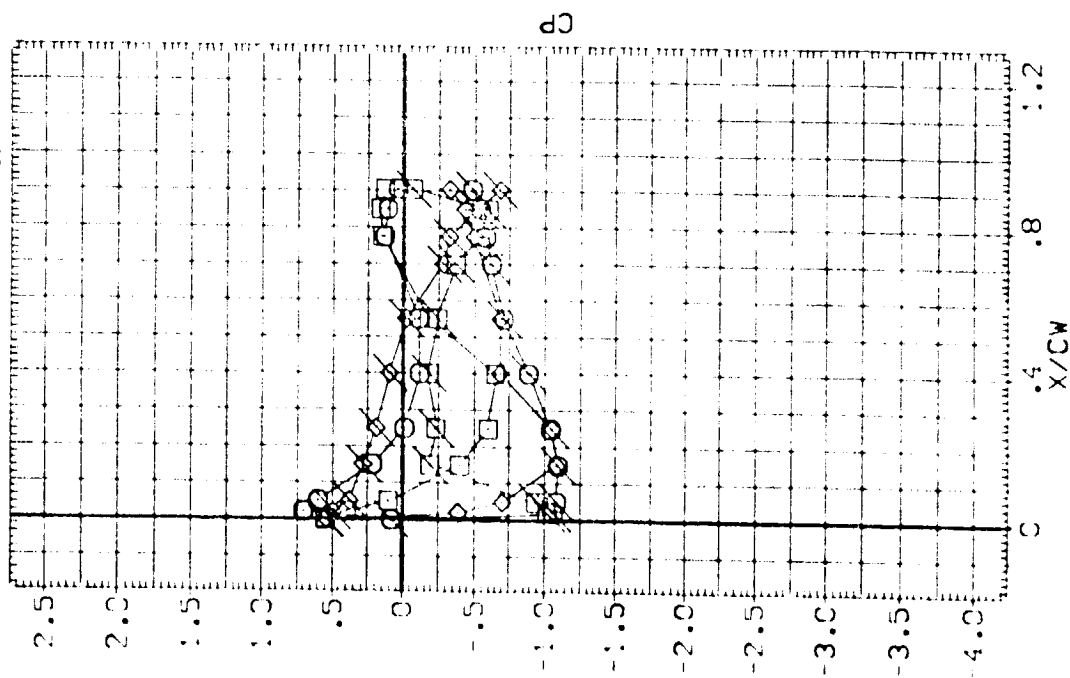
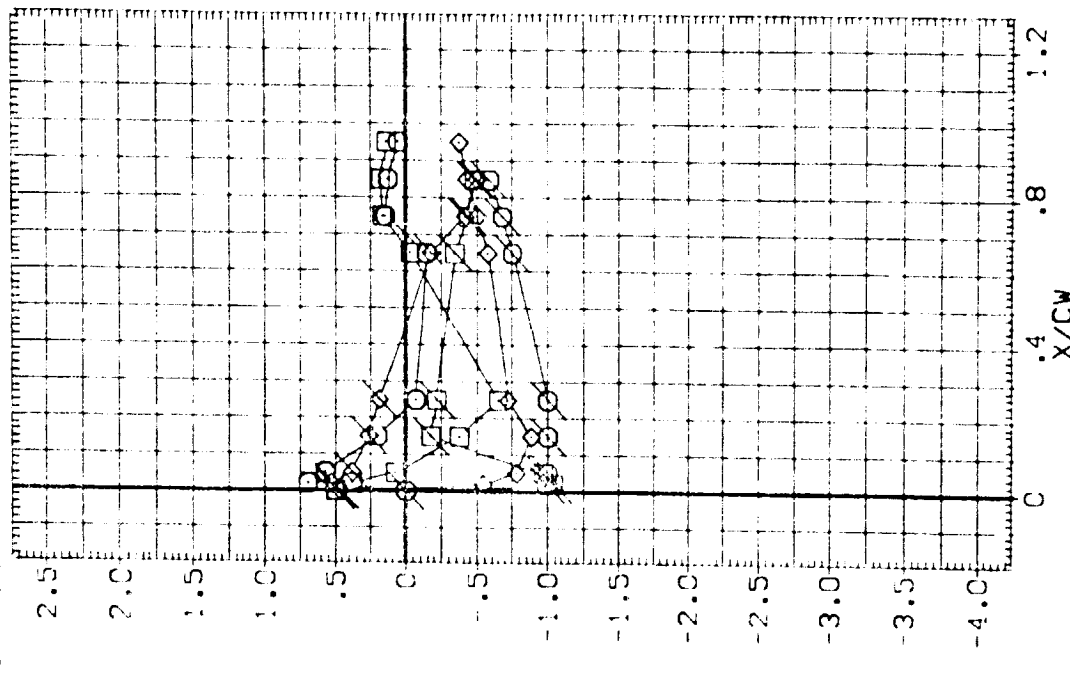
UPPER WING  
LOWER WING

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(R82U14)	OPEN	ARC11-716	OA22 D1
(R82U14)	FLAGGED	ARC11-716	OA22 D1

SYMBOL ALPHA Y/BV BETA

○	-10.160	.673	-9.860
◇	-1.160	.780	
◇	10.050		



CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

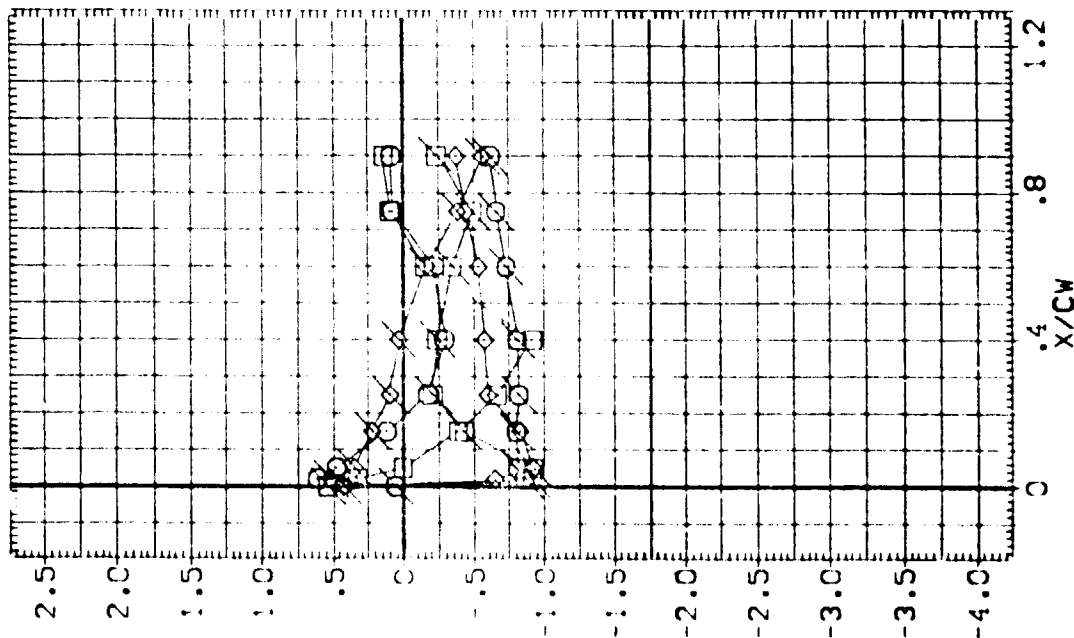
PARAMETRIC VALUES  
 MACH .900 ELEVON .000  
 RUDDER .000 SPOILER .000

UPPER WING  
 LOWER WING

SYMBOL ALPHA Y/BV BETA  
 ○ -10.160 .887 -9.860  
 □ -.160  
 ◇ 10.050

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RB2U14) OPEN ARC11-716 OA22 01  
 (RB2U14) FLAGGED ARC11-716 OA22 01



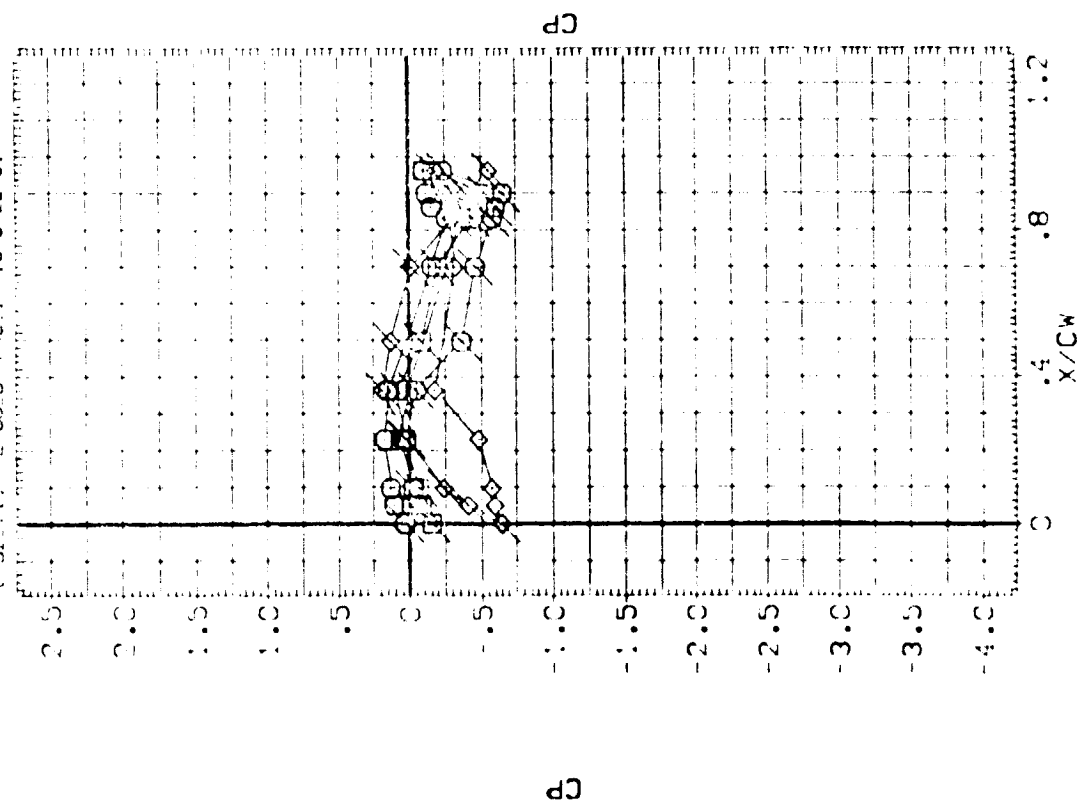
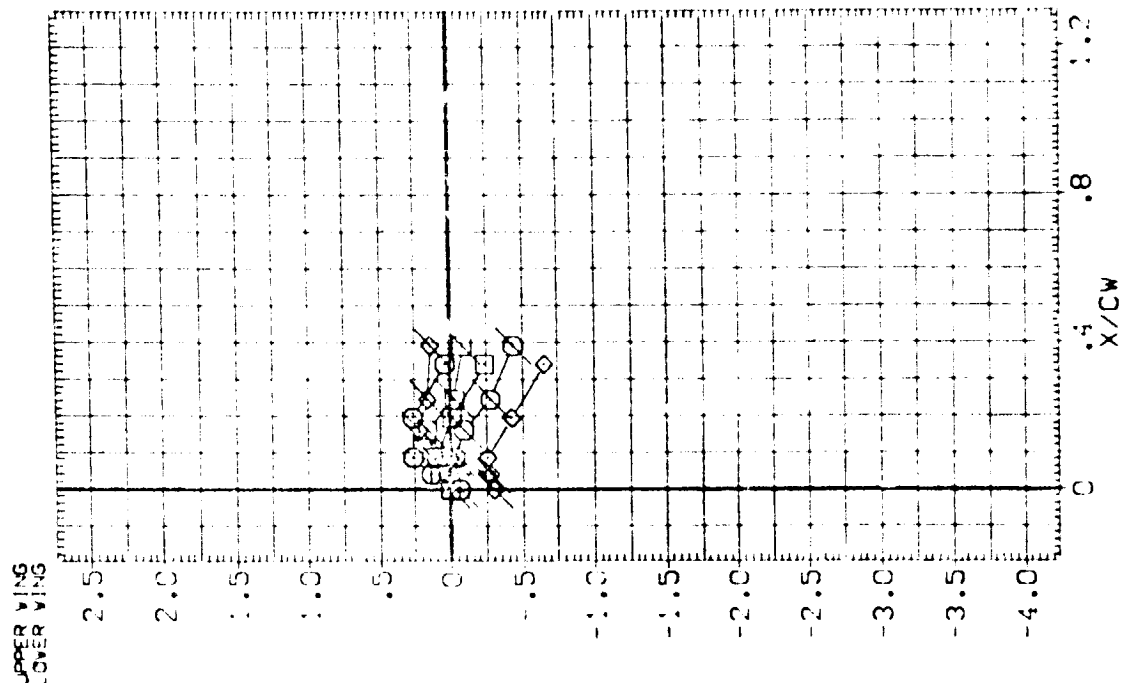
CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES



PARAMETRIC VALUES  
 MACH .900 ELEVON .000  
 RUDDER .000 SPDRK .000

SYMBOL ALPHA Y/BV BETA  
 O 10.160 .299 10.070  
 ◇ 10.160 .364 10.050

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (882) 14 OPEN ARC 15 16 CA22 O  
 (882) 14 FLAGGED ARC 15 16 CA22 O



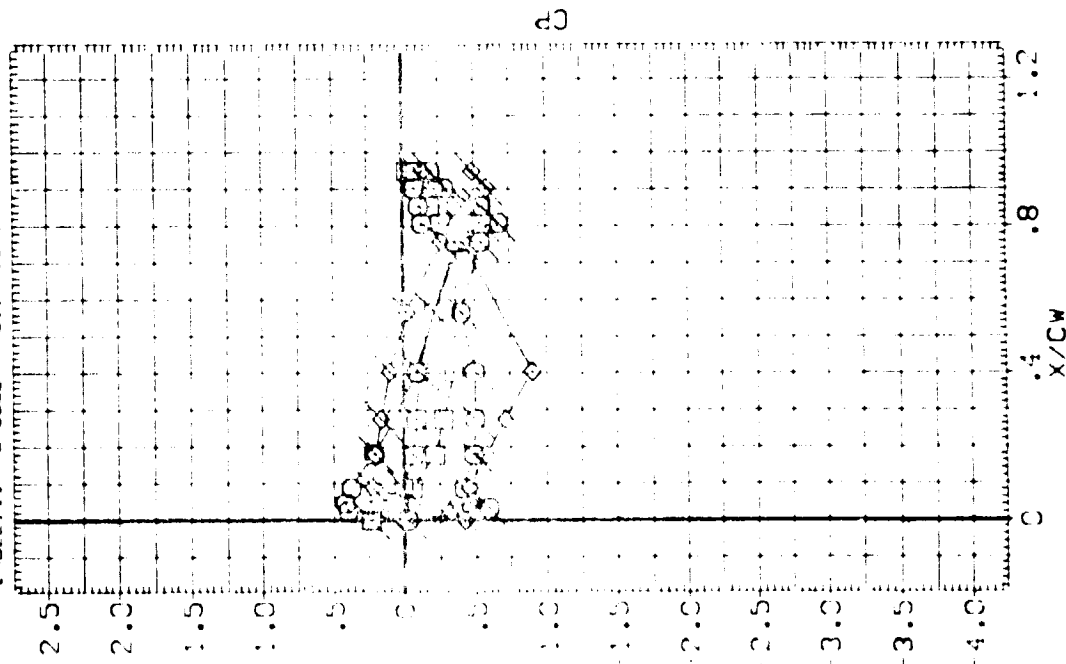
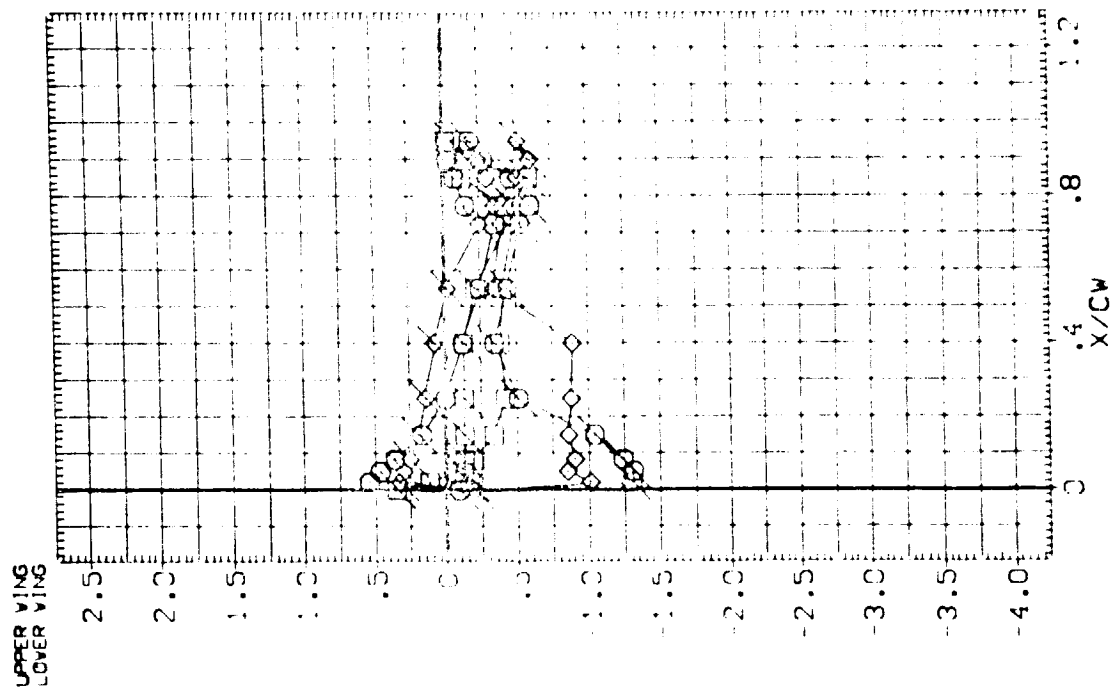
CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

PARAMETRIC VALUES  
 .900 ELEVON  
 .000 SPOBRK  
 .000

MACH  
 RUDDER

SYMBOL ALPHA Y/BV BETA  
 -10.160 .427 10.070  
 -1.160 .534  
 10.050

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 { RB2J14 } OPEN ARC11-716 BA22 Q1  
 { RB2J14 } FLAGGED ARC11-716 BA22 Q1



CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES



PARAMETRIC VALUES

MACH  
RUDDER

UPPER WING  
LOWER WING

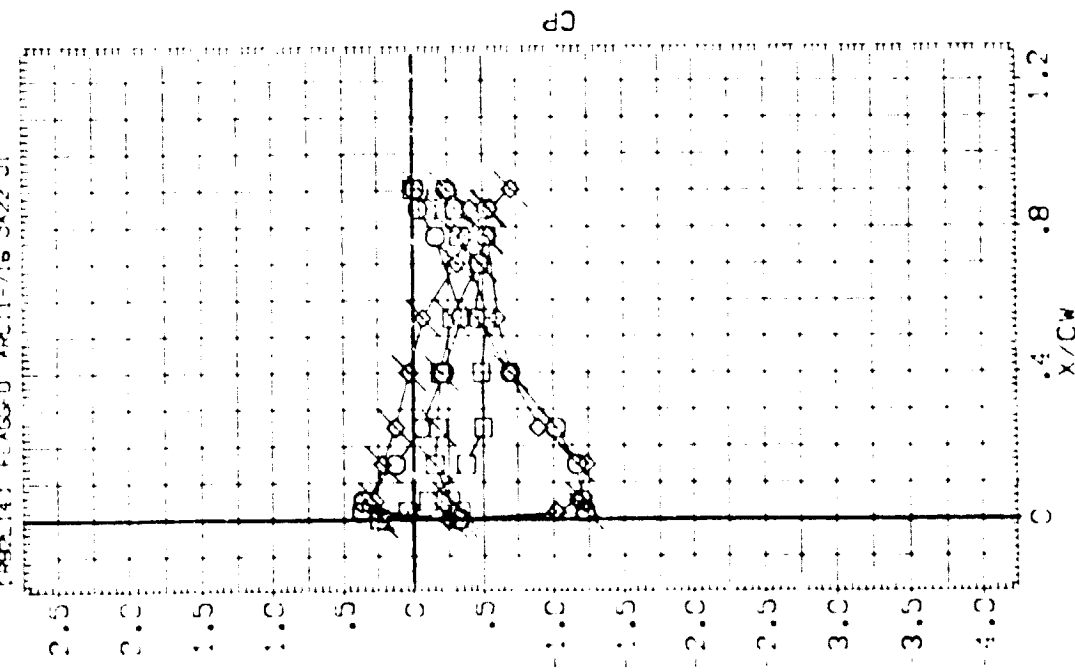
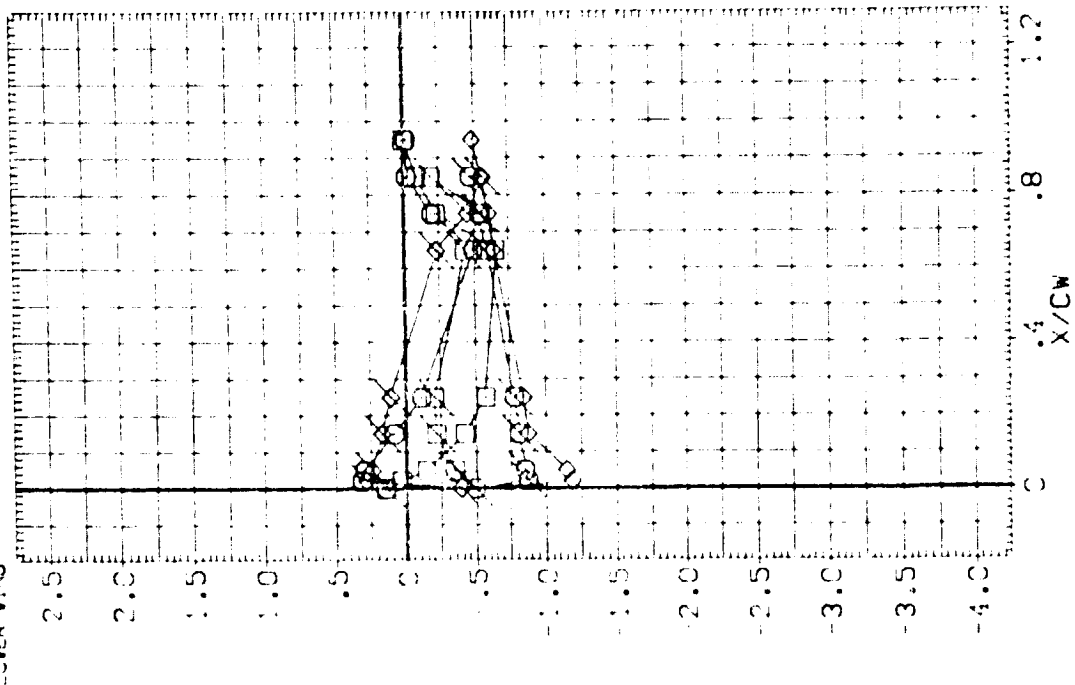
BETA  
10.070

Y/B  
.673  
.780

ALPHA  
-10.160  
-1.160  
10.050

SYMBOL  
O  
X

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RBDU 14) OPEN ARC 11-0118 0422 01  
(RBDU 14) FLAGGED ARC 11-0118 0422 01



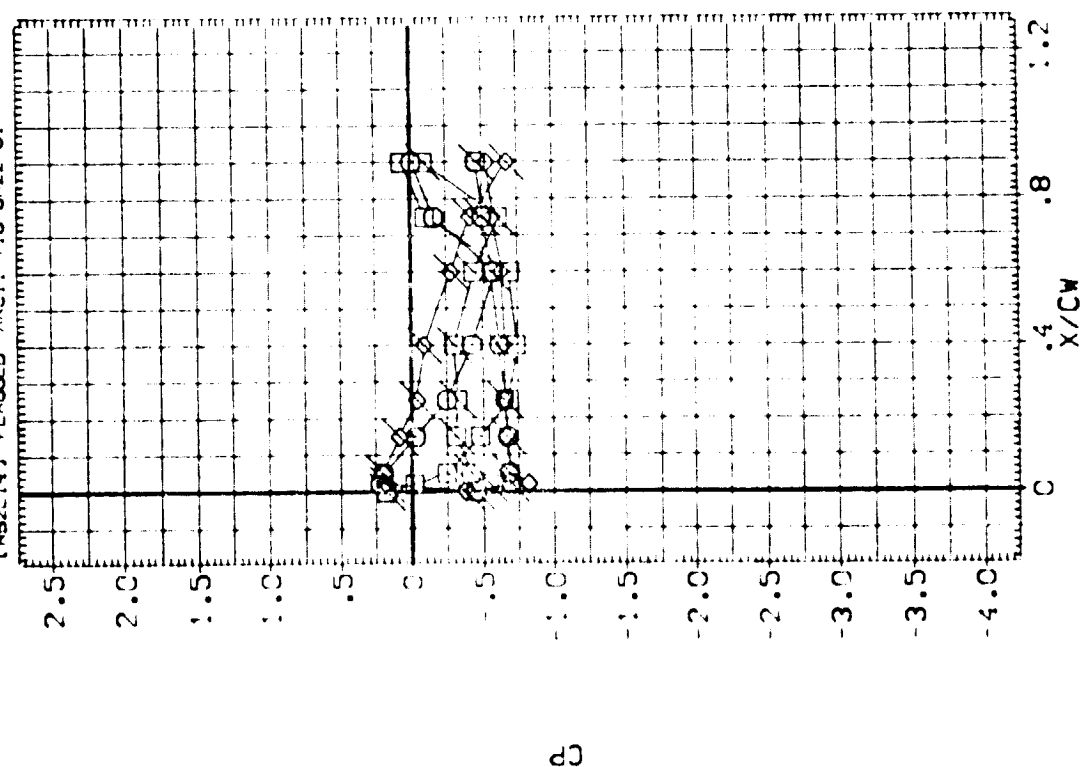
CLOCKWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

PARAMETRIC VALUES  
MACH .900  
RUDDER .000  
ELEVON .000  
SPDBRK .000

SYMBOL ALPHA Y/BV BETA  
○ -10.160  
◇ -1.160  
◇ 10.050

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RB2U14) OPEN ARC11-716 OA22 01  
(RB2L14) FLAGGED ARC11-716 OA22 01

UPPER WING  
LOWER WING

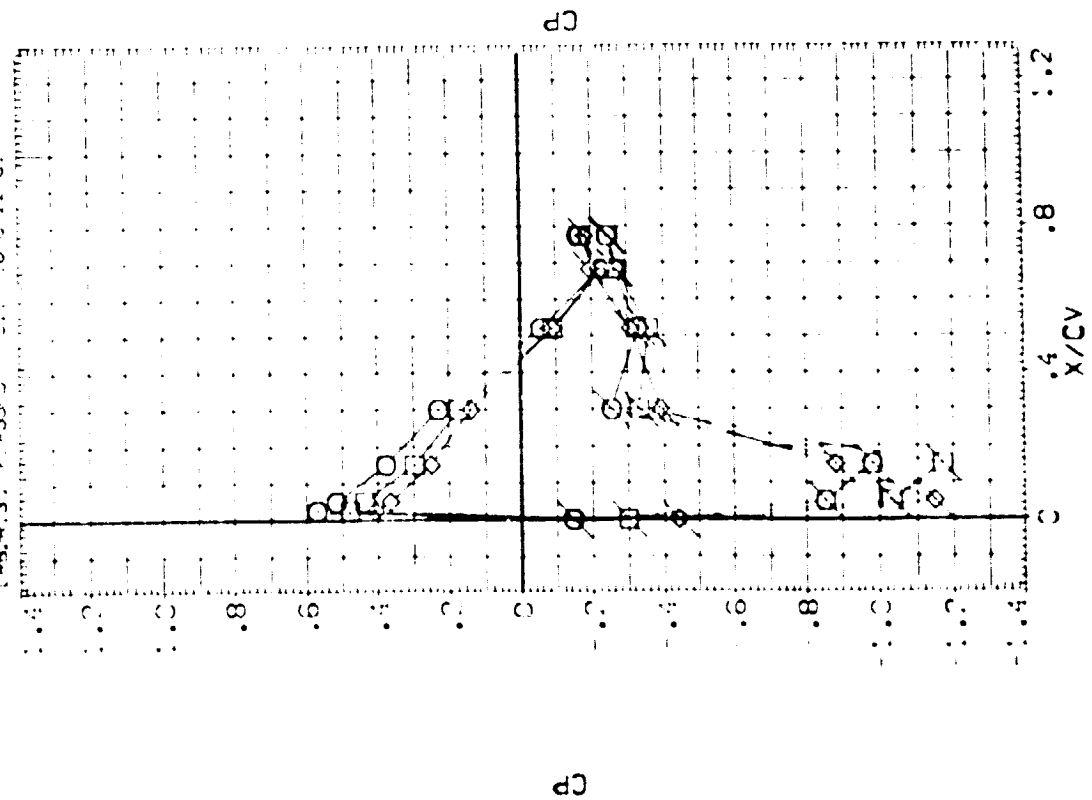
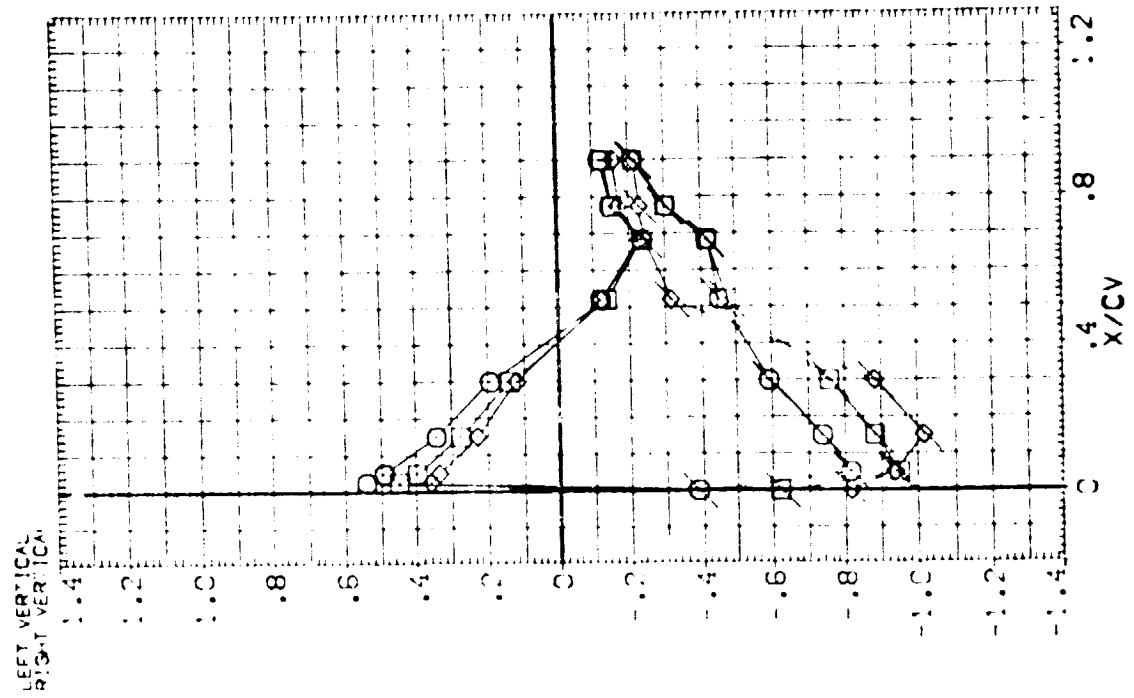


CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

PARAMETRIC VALUES  
 MACH .600 ELEVON .000  
 RUDDER .000

SYMBOL ALPHA Z-BY BETA  
 -10.000 .158 -9.870  
 -1.110 .316  
 10.150

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (997) 131 016 116 0120 0  
 (997) 131 016 116 0120 0



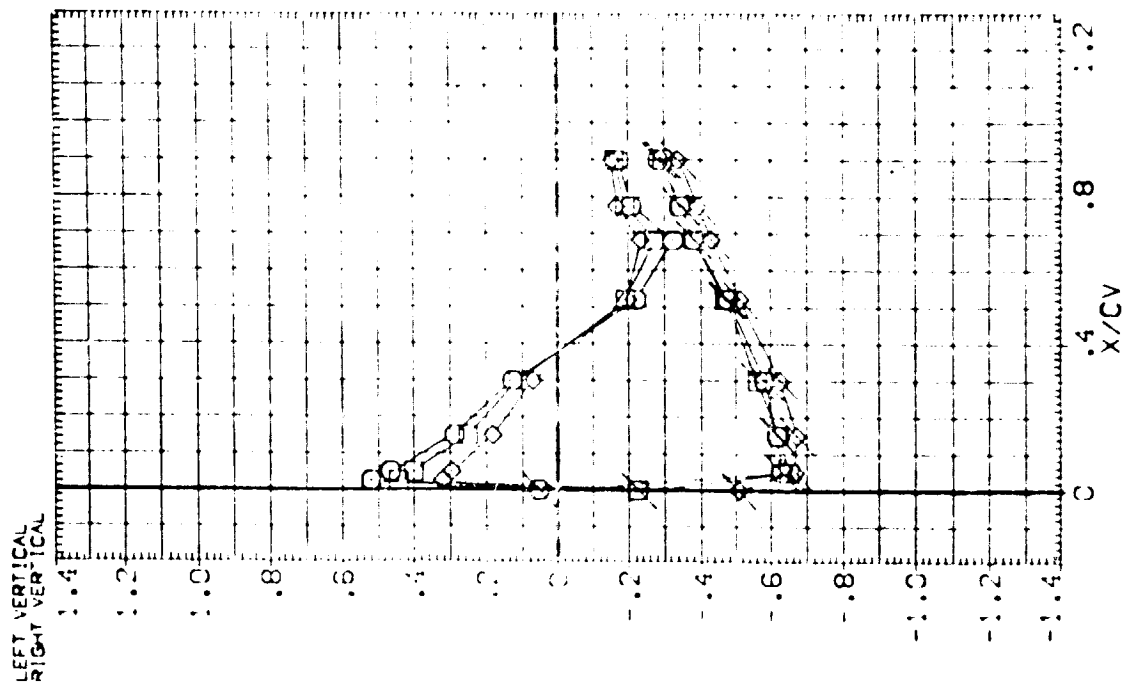
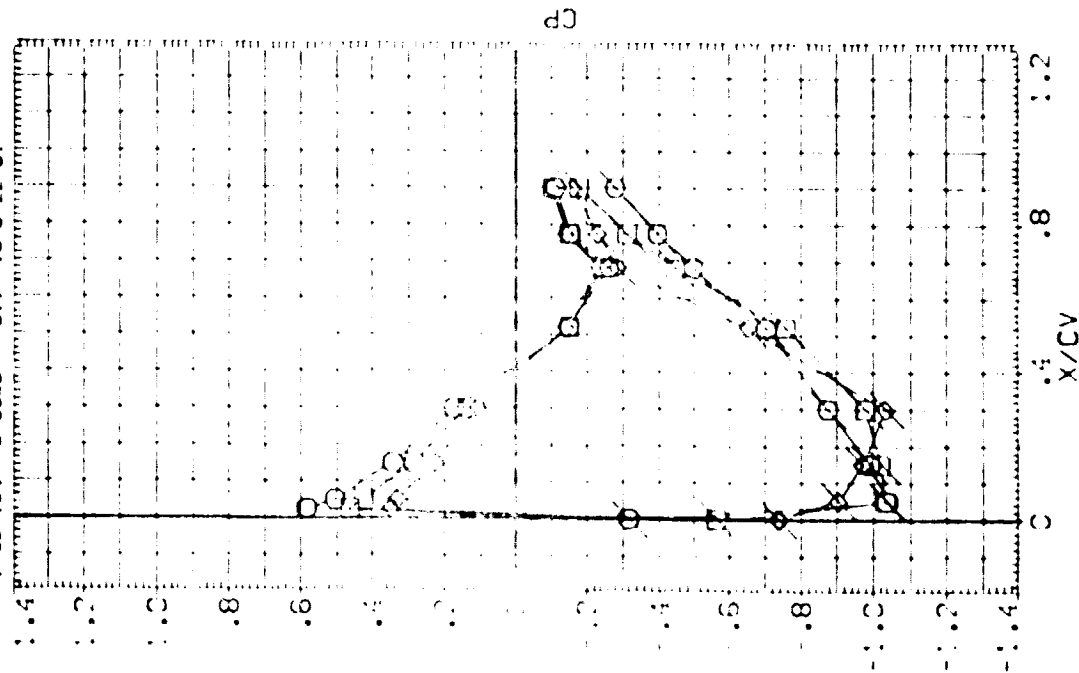
CLOCKWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES

PARAMETRIC VALUES  
MACH .600 ELEVON .000  
RUDDER .000 SPOBRK .000

SYMBOL ALPHA BETA  
○ -10.000 .600  
◇ -11.0 .840  
◇ 10.150

DATA SET SYMBOL CONFIGURATION DESCRIPTION

{RB2V13} OPEN ARC:-7.6 SA22 C:  
{RB2V13} FLAGGED ARC:-7.6 SA22 C:



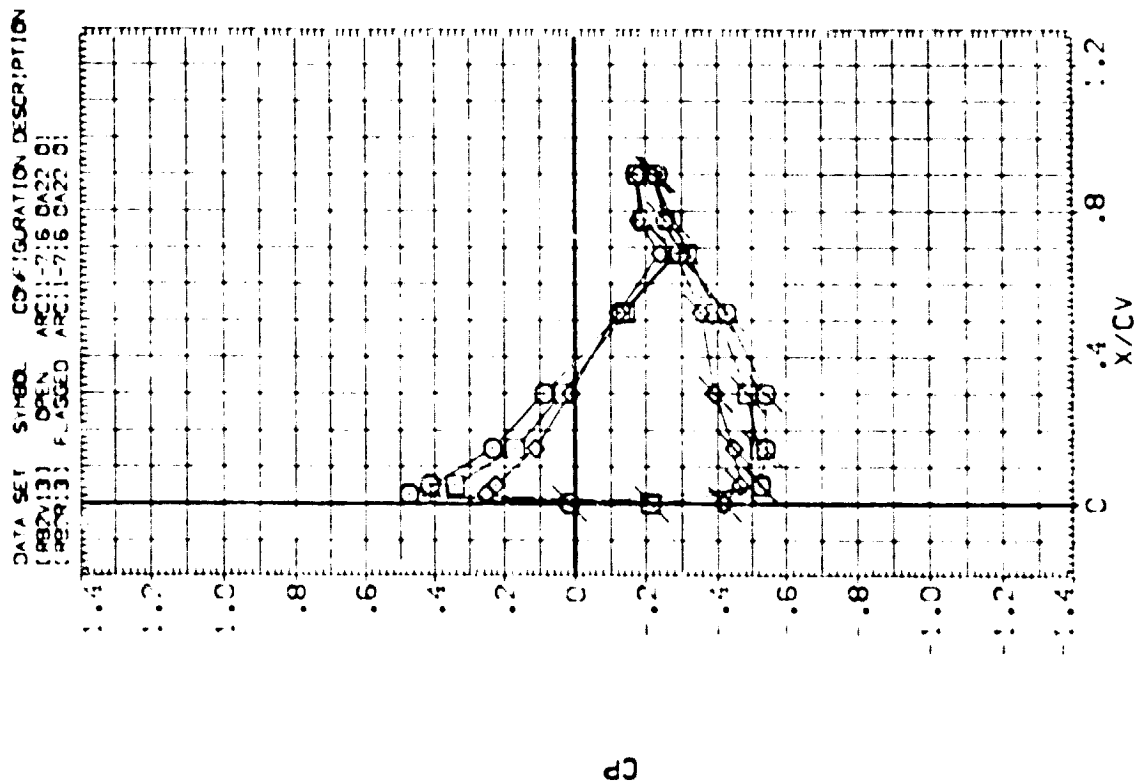
CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES

PARAMETRIC VALUES  
 .600 ELEVON  
 .000 SPOBRK  
 .000

NACH  
 RUDDER

SYMBOL ALPHA Z/B<sub>1</sub> BETA  
 ○ -10.000 .925 -9.875  
 ◇ -1.110 10.150

LEFT VERTICAL  
 RIGHT VERTICAL



CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES

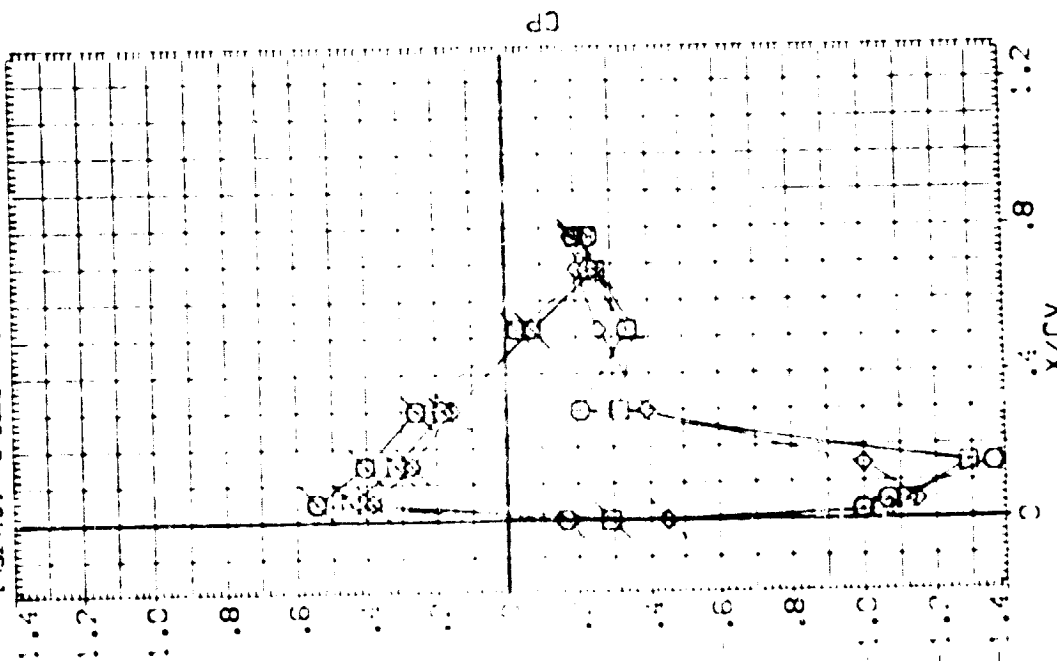
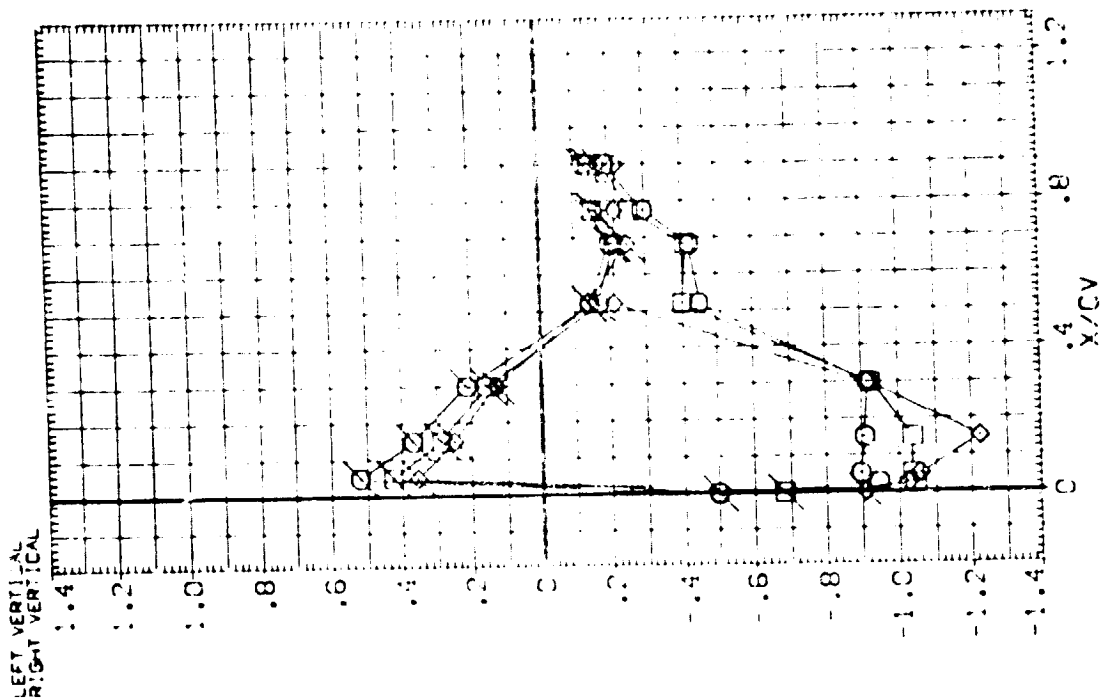
PARAMETRIC VALUES  
MACH .600 ELEVON .000  
RUDDER .000 SPOBRN .000

MACH  
RUDDER

Z/BV .158 BETA 10.110  
.316

ALPHA -10.000  
-1.110  
10.150

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
[RBZV13] OPEN ARC11-716 DAZZ 01  
[RBZV13] FLAGGED ARC11-716 DAZZ 01



CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES



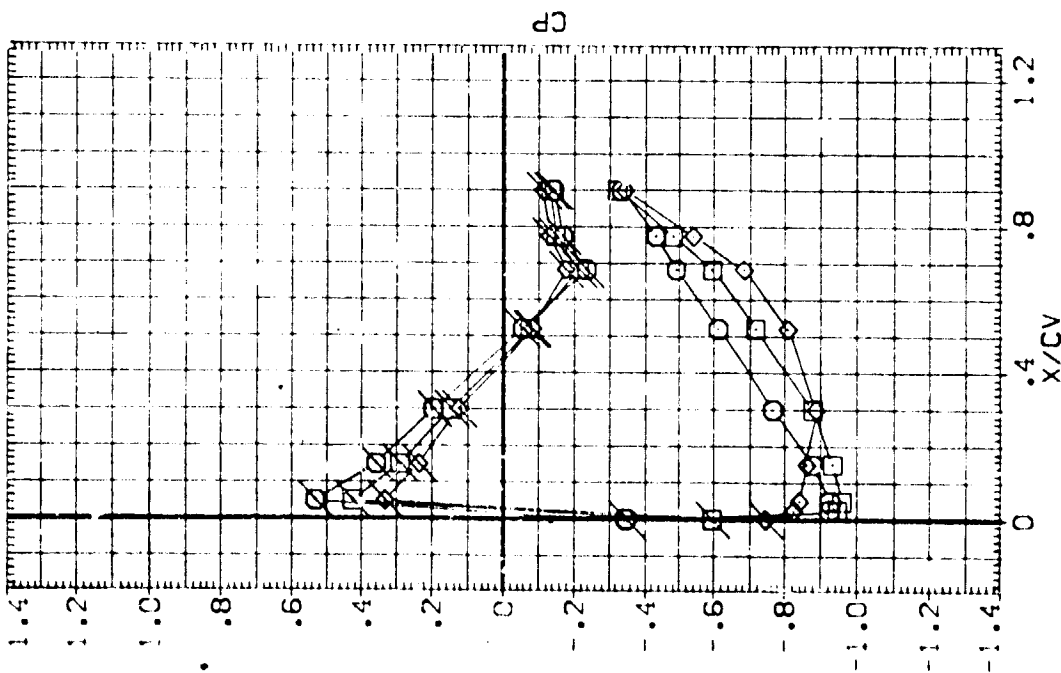
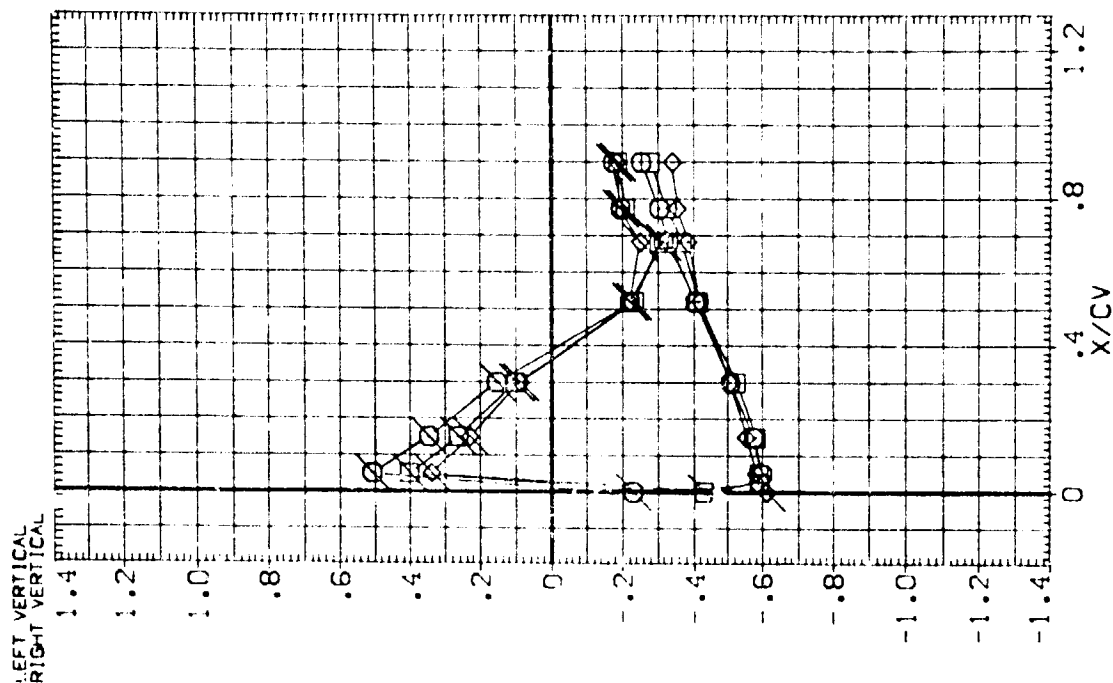
SYMBOL ALPHA  
 -10.000  
 -1.110  
 10.150

MACH  
 .600  
 .840

BETA  
 10.110

SYMBOL  
 O  
 X  
 ◇

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (R82V13) OPEN ARC11-716 0A22 O!  
 (R82R13) FLAGGED ARC11-716 0A22 O!



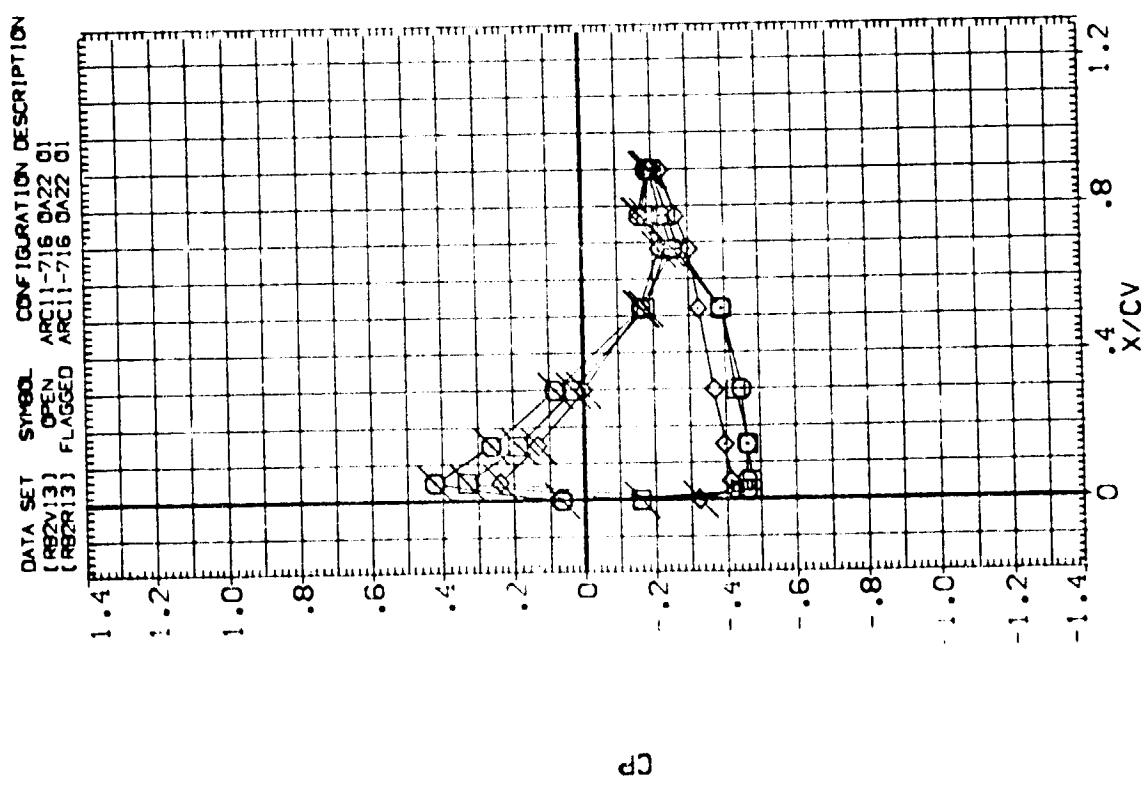
CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES



PARAMETRIC VALUES  
MACH .600 ELEVON .000  
RUDDER .000 SPOBRK .000

SYMBOL ALPHA Z/BV BETA  
-10.000 .925 10.110  
-1.110  
10.150

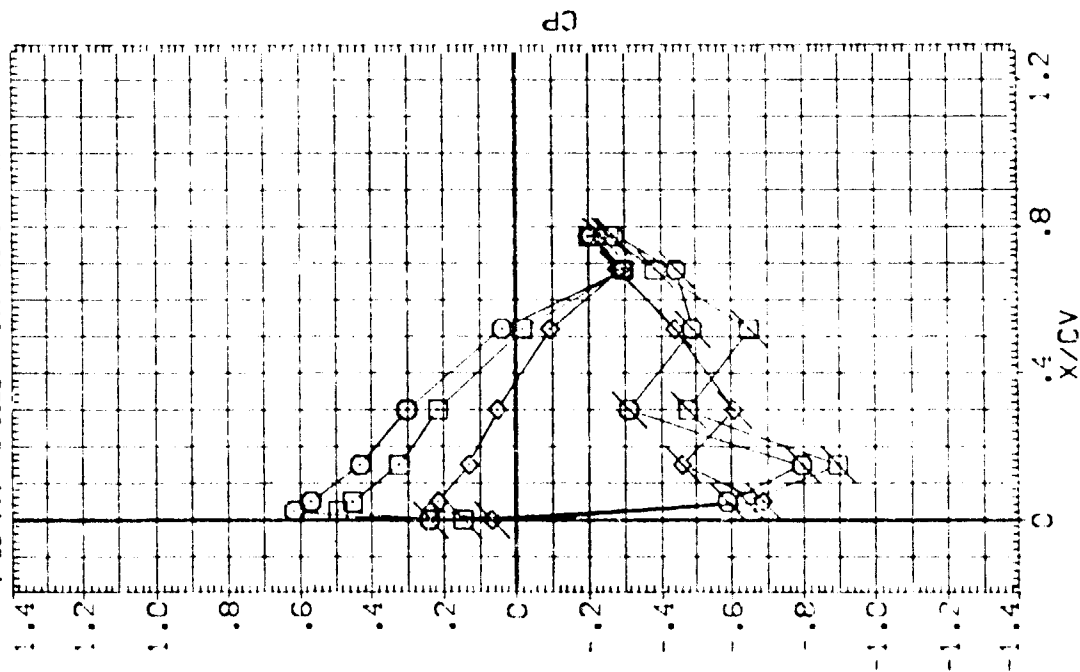
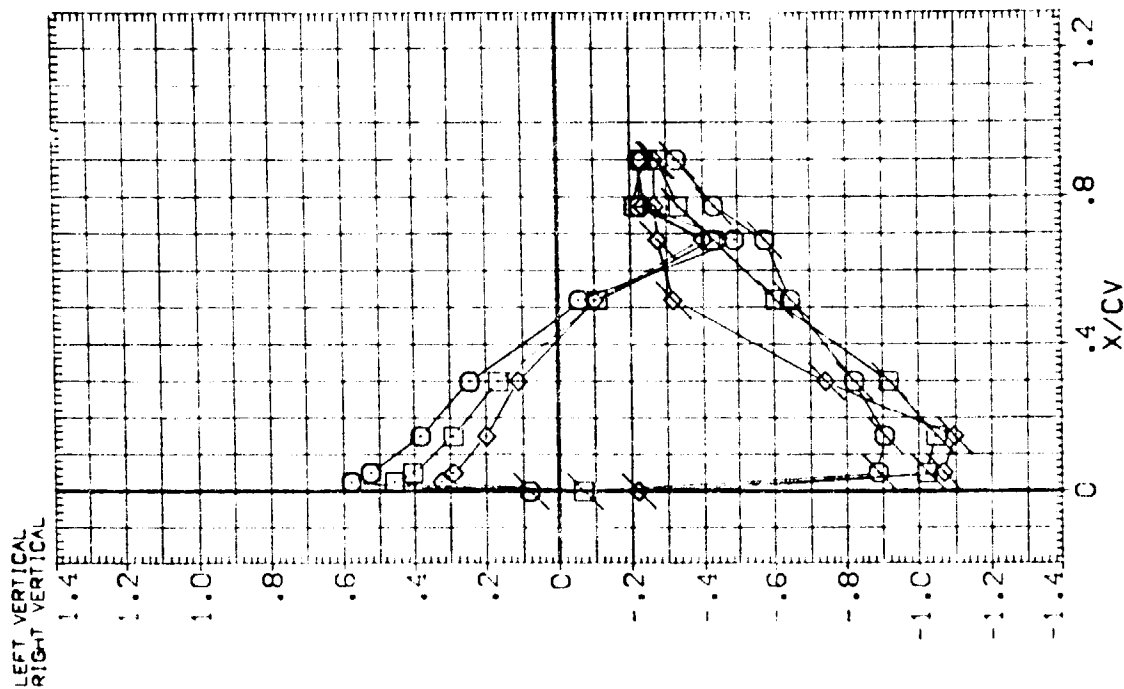
LEFT VERTICAL  
RIGHT VERTICAL



PARAMETRIC VALUES  
 MACH .900 ELEVON .000  
 RUDDER .000 SPEED .000

SYMBOL ALPHA Z/BV BETA  
 O -10.160 .158 -9.060  
 □ -1.160 .316  
 ◇ 10.050

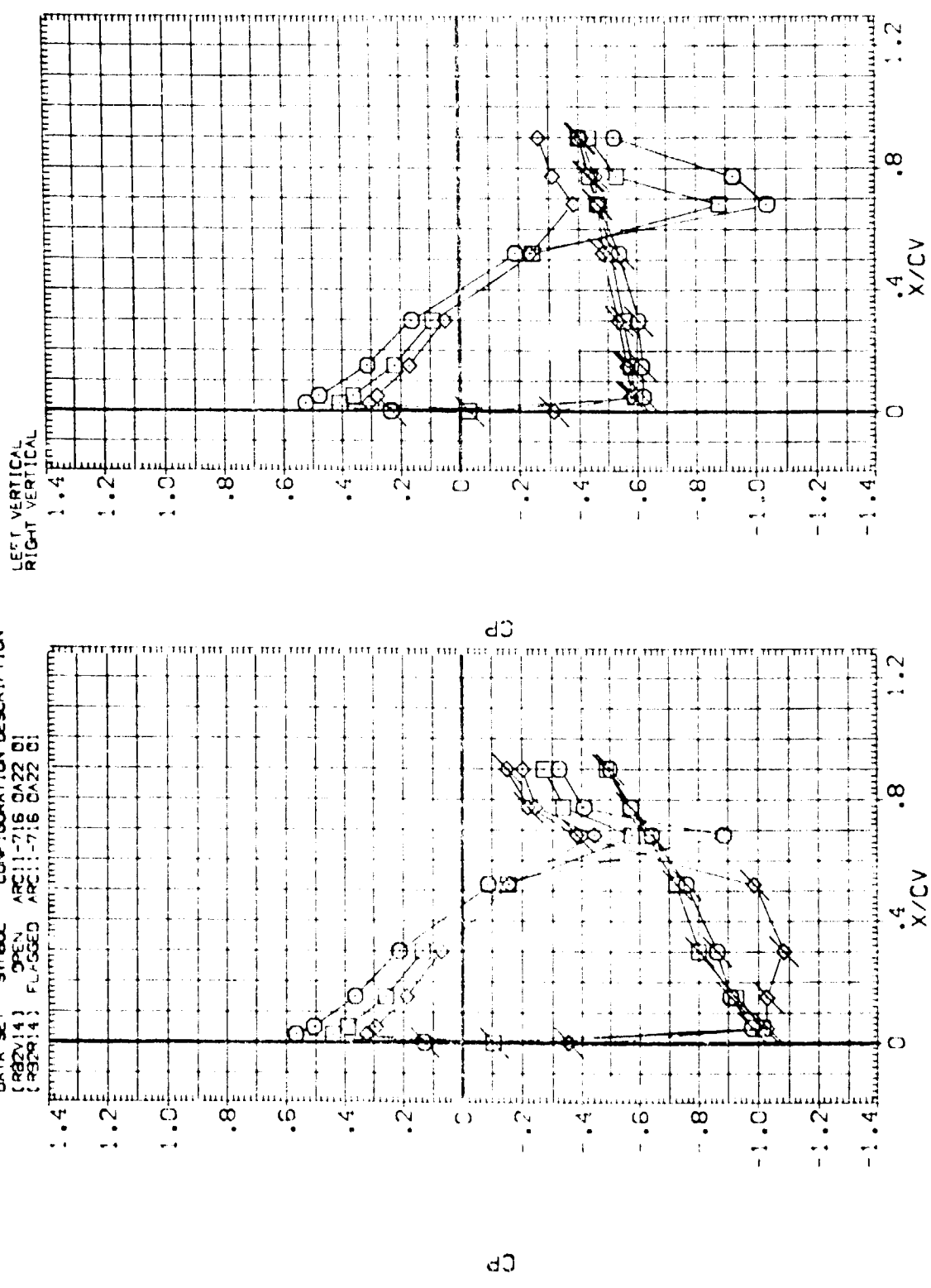
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 [R92V:4] OPEN ARC:1-7:5 DAZZ 01  
 [R92R:4] FLAGGED ARC:1-7:5 DAZZ 01



CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES

SYMBOL	ALPHA	Z/BV	BETA	MACH	PARAMETRIC VALUES
○	-0.160	.600	-9.860	RUDDER	.500 ELEVON .000
◇	-0.160	.840			.000 SPOBRK .000
	10.050				

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (R82V14) OPEN ARC:-7.16 OAZ2 D1  
 (R82V14) FLAPGED ARC:-7.16 OAZ2 D1



CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES

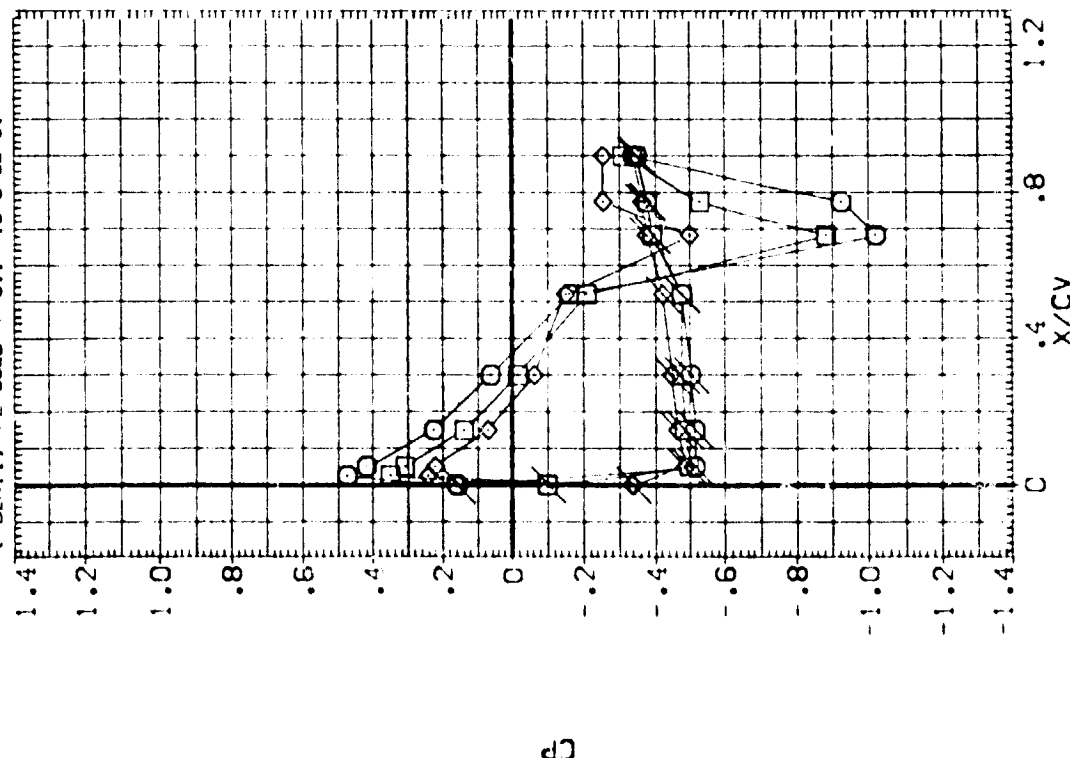
PARAMETRIC VALUES  
 .900 ELEVON  
 .000 SPOILER  
 .000

MACH  
 RUDDER

SYMBOL ALPHA Z/BV BETA  
 -10.160  
 -1.160  
 10.050

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 [R2CV14] OPEN ARC11-716 0A22 01  
 [R2CV14] FLAGGED ARC11-716 0A22 01

LEFT VERTICAL  
 RIGHT VERTICAL

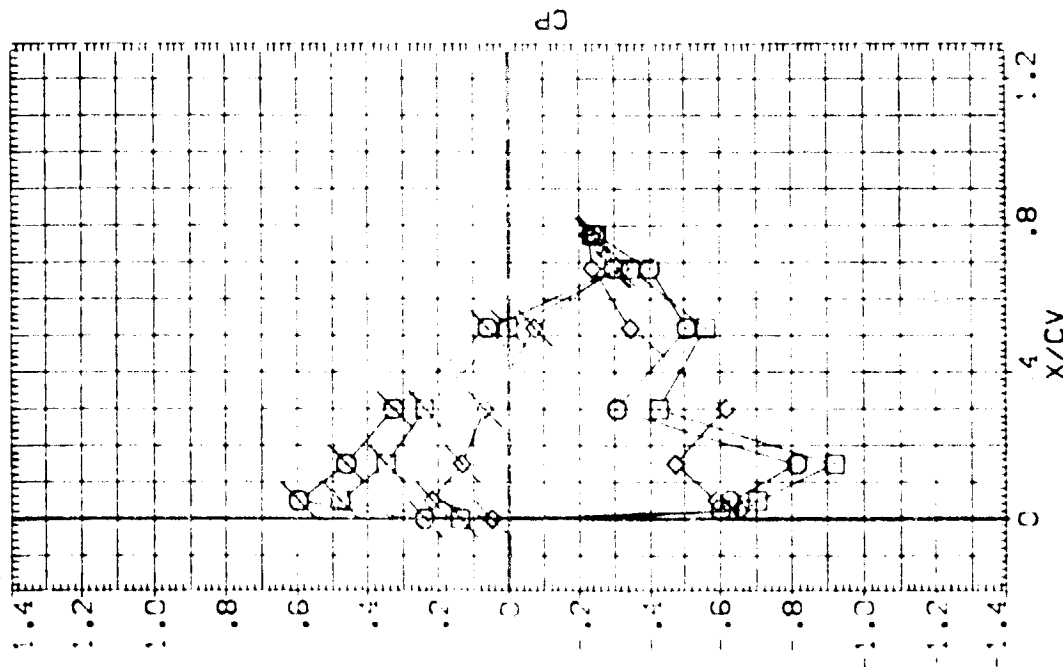
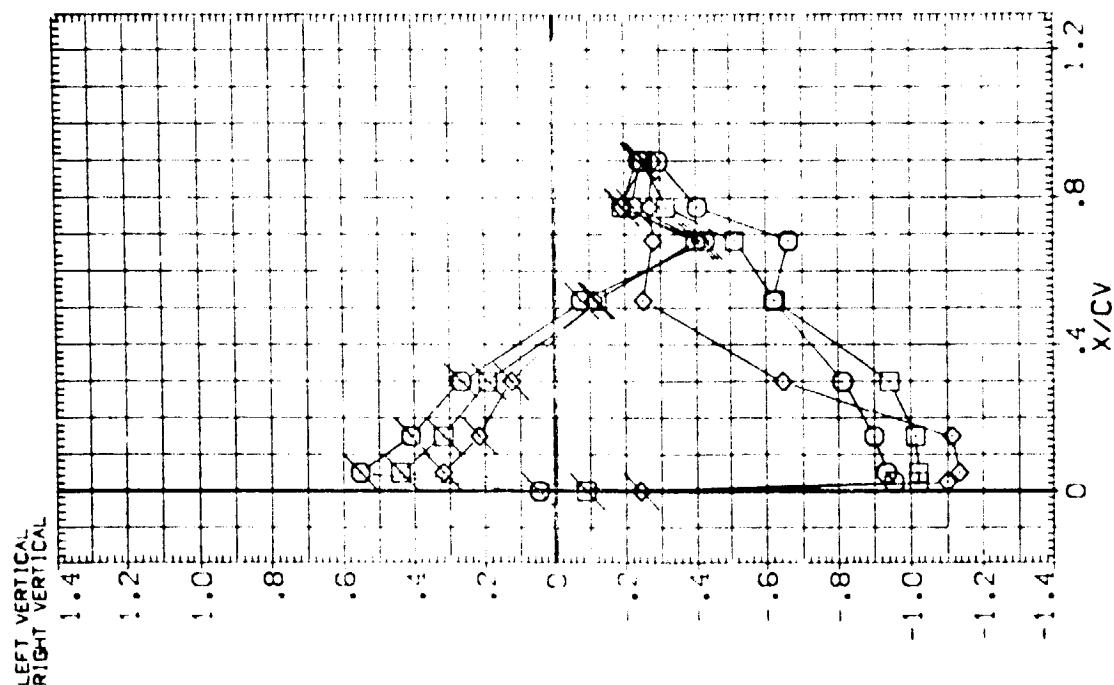


CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES

PARAMETRIC VALUES  
MACH .900 ELEVON .000  
RUDDER .000

SYMBOL ALPHA Z/BV BETA  
○ -10.160 .158 10.070  
◇ -1.160 .316  
◇ 10.050

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
[R82V14] OPEN ARC11-7:16 OA22 01  
[R82V14] FLAGGED ARC11-7:16 OA22 01

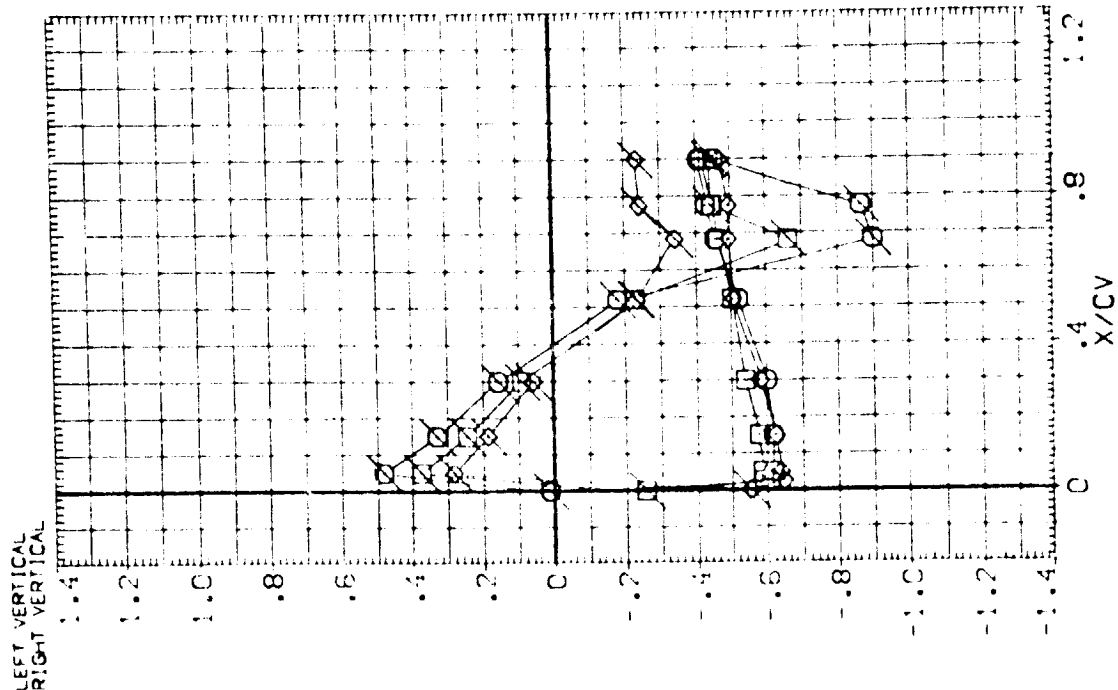


CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES



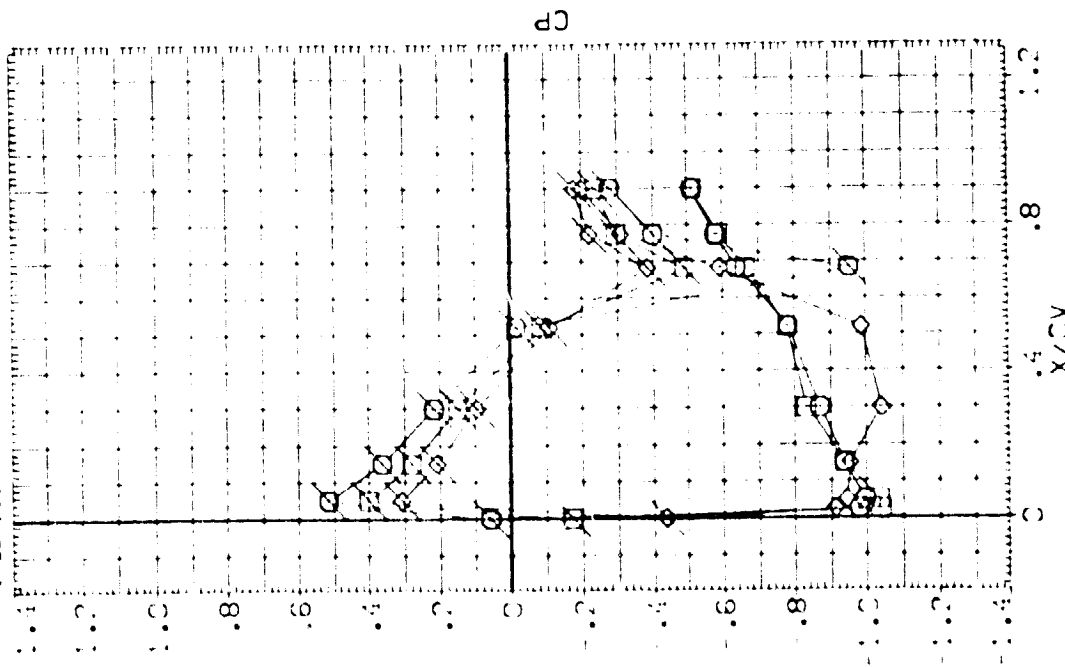
PARAMETRIC VALUES  
 .000 ELEVON  
 .900 SPOILER  
 .000

MACH  
 RUDDER



SYMBOL  
 A. P. A. Z/BV BETA  
 -0.160 .600 10.070  
 -0.160 .840  
 10.050

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (R92V14) DASH 11-16 0A22 01  
 (R92V14) F. 4552.3 11-16 0A22 01



CLOCKWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES

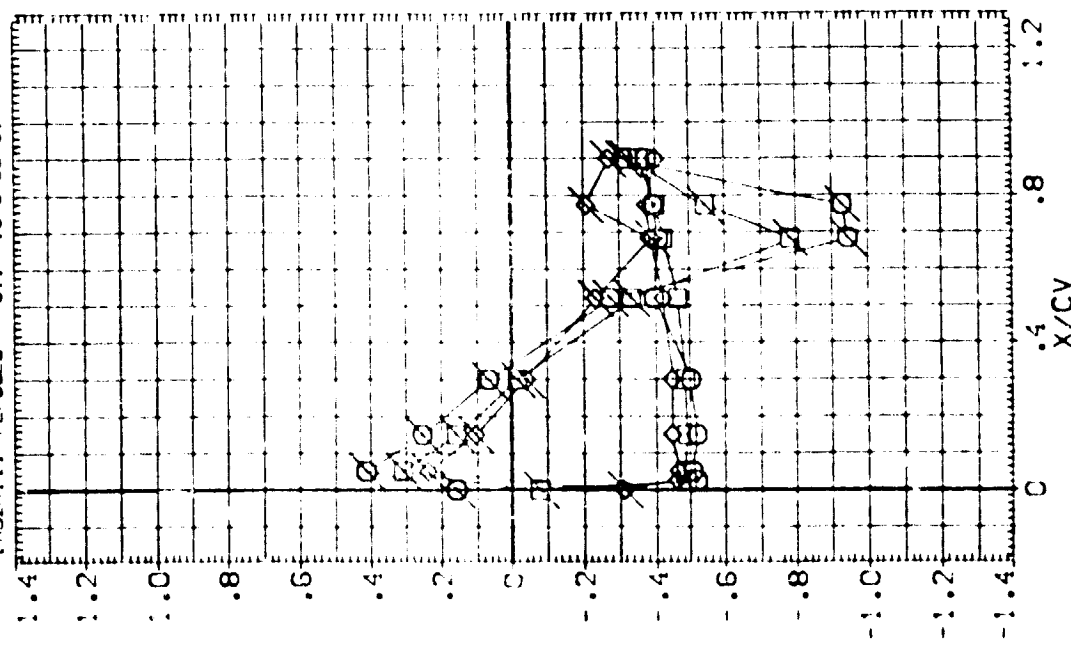
SYMBOL ALPHA  
 O -10.160  
 X -1.160  
 ◇ 10.050

Z/BV .925 BETA 10.070

PARAMETRIC VALUES  
 .900 ELEVON  
 .000 SPOBRK  
 .000  
 MACH  
 RUDDER

DATA S. SYMBOL CONFIGURATION DESCRIPTION  
 [R82V:4] OPEN ARC:-7:16 DAZZ Q1  
 [R83R:4] FLAGGED ARC:-7:16 DAZZ Q1

LEFT VERTICAL  
 RIGHT VERTICAL



CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES



ARC11-716 CA22 C:

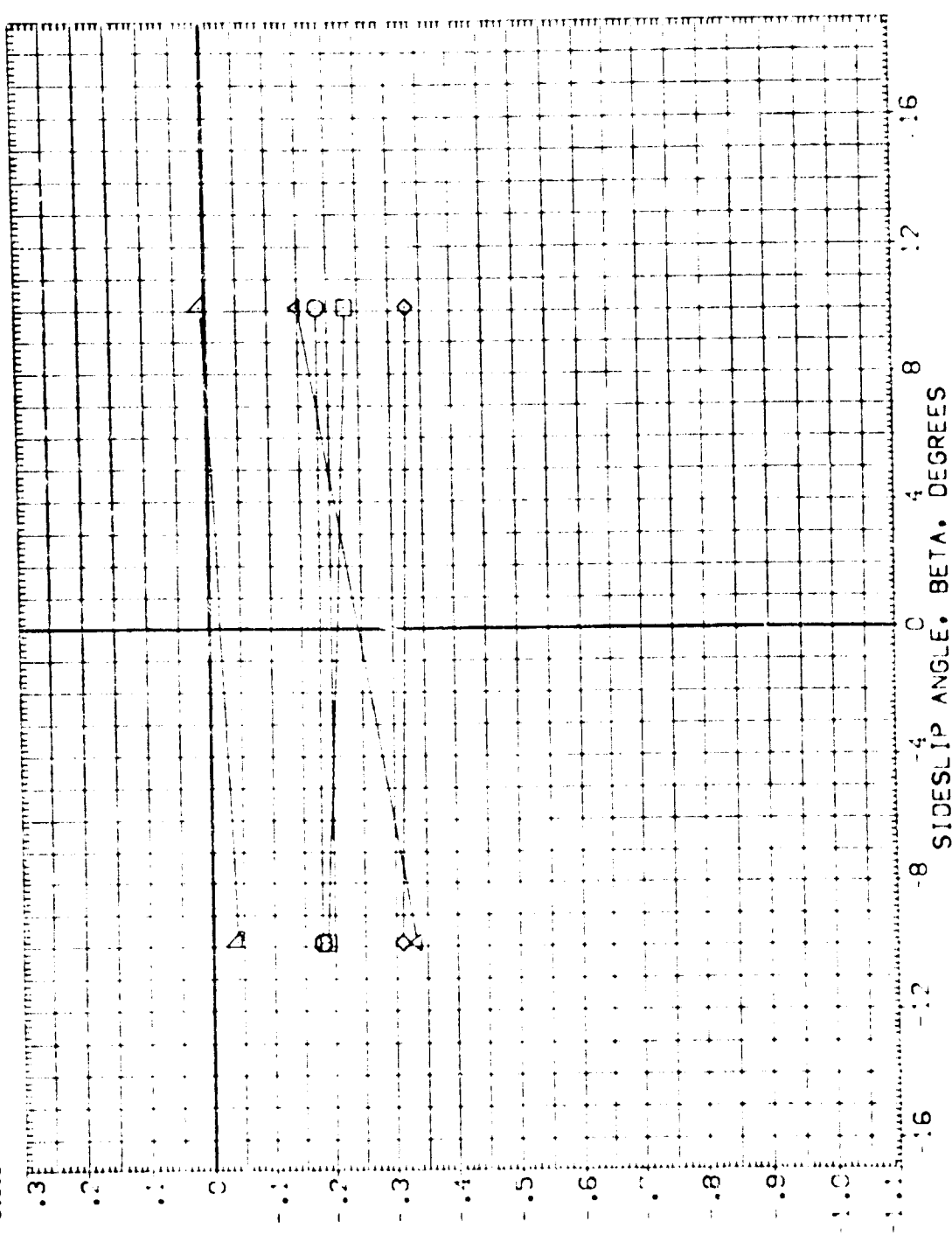
FUS+RELARE BASE (RB2C13)

SYMBOL  
 1.0  
 2.0  
 3.0  
 4.0  
 5.0

TAP NO  
 1.000  
 2.000  
 3.000  
 4.000  
 5.000

ALPHA  
 -10.000

PARAMETRIC VALUES  
 .600 ELEVON  
 .000 SPOBRK  
 MACH  
 RUDDER



PRESSURE COEFFICIENT, CP

ORBITER BASE PRESSURES

# FUS-REFLARE BASE (RB2C13)

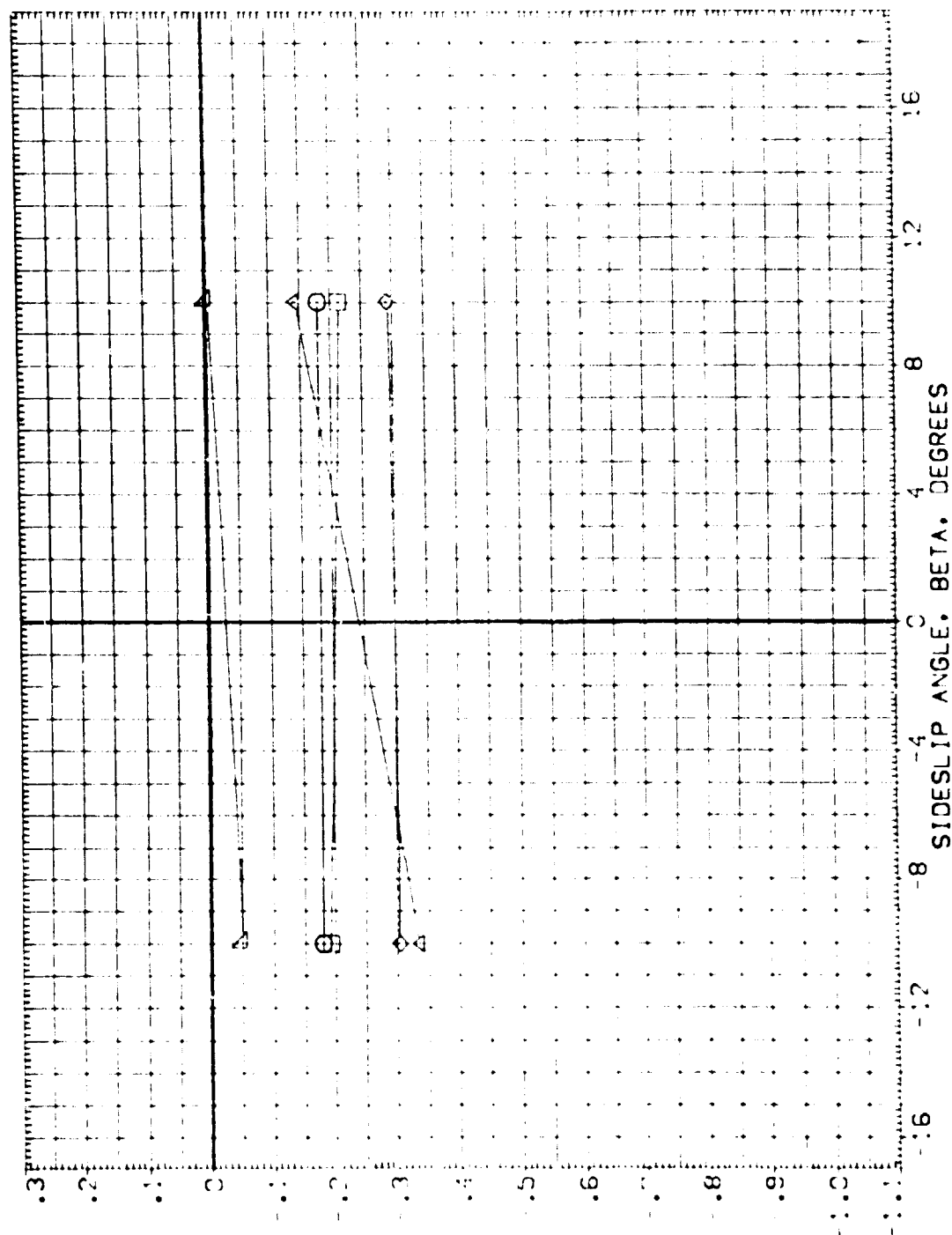
ARC:-7.6 OA22 0:

SYMBOL  
 ○  
 ◇  
 △  
 □  
 ◆

TAP NO  
 1.000  
 2.000  
 3.000  
 4.000  
 5.000

ALPHA  
 .000  
 -.110

PARAMETRIC VALUES  
 MACH .600  
 RUDDER .000  
 ELEVON .000  
 SPOILER .000

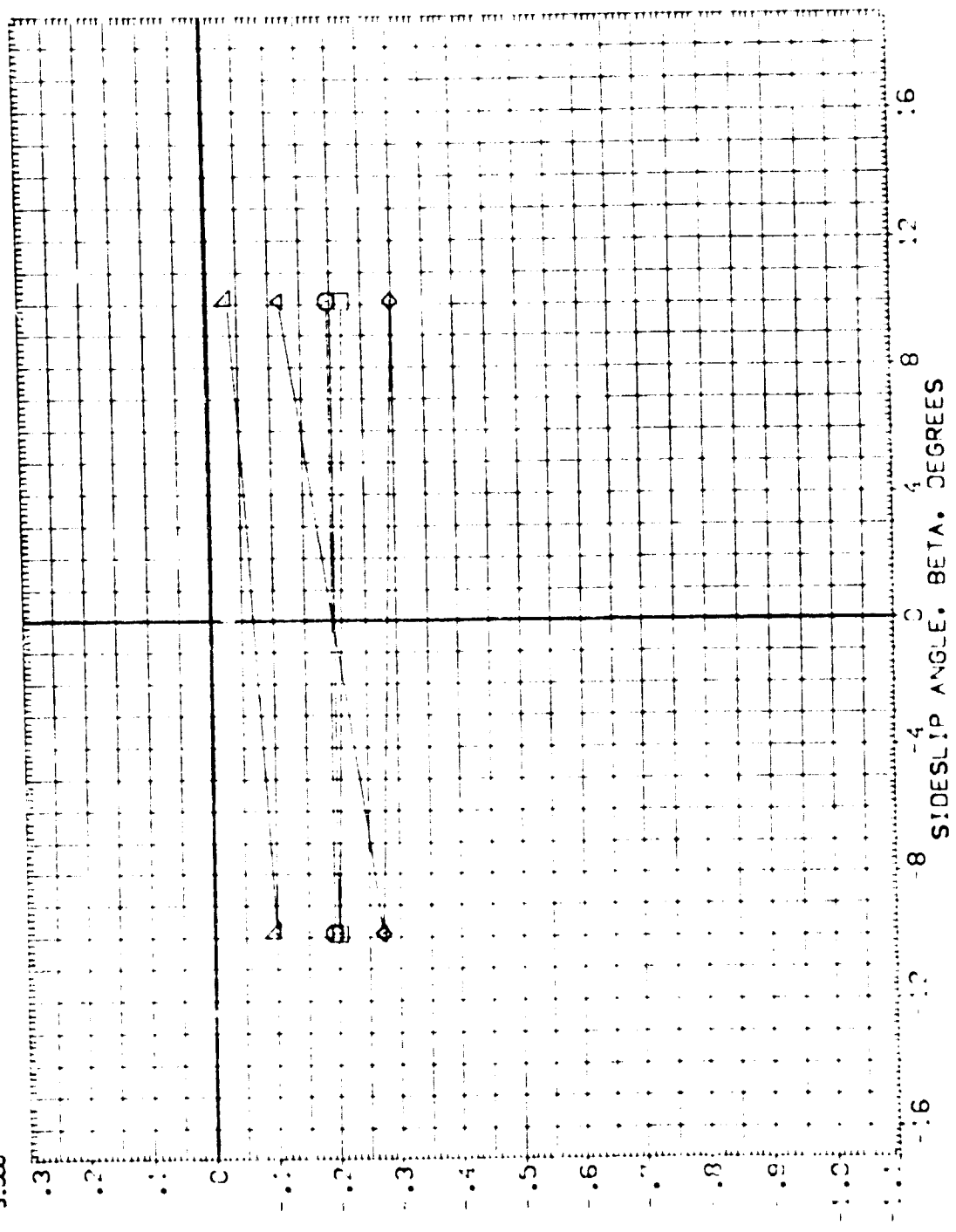


ORBITER BASE PRESSURES

# ARC 1-7:6 0A22 0: FUS+REFLARE BASE (RB2C13)

PARAMETRIC VALUES  
 MACH .000  
 ELEVON .000  
 RUDDER .000

APPROX  
 1.000  
 2.000  
 3.000  
 4.000  
 5.000



ORBITER BASE PRESSURES

ARC:1-716 0A22 01

FUS+REFLARE BASE (RB2C:14)

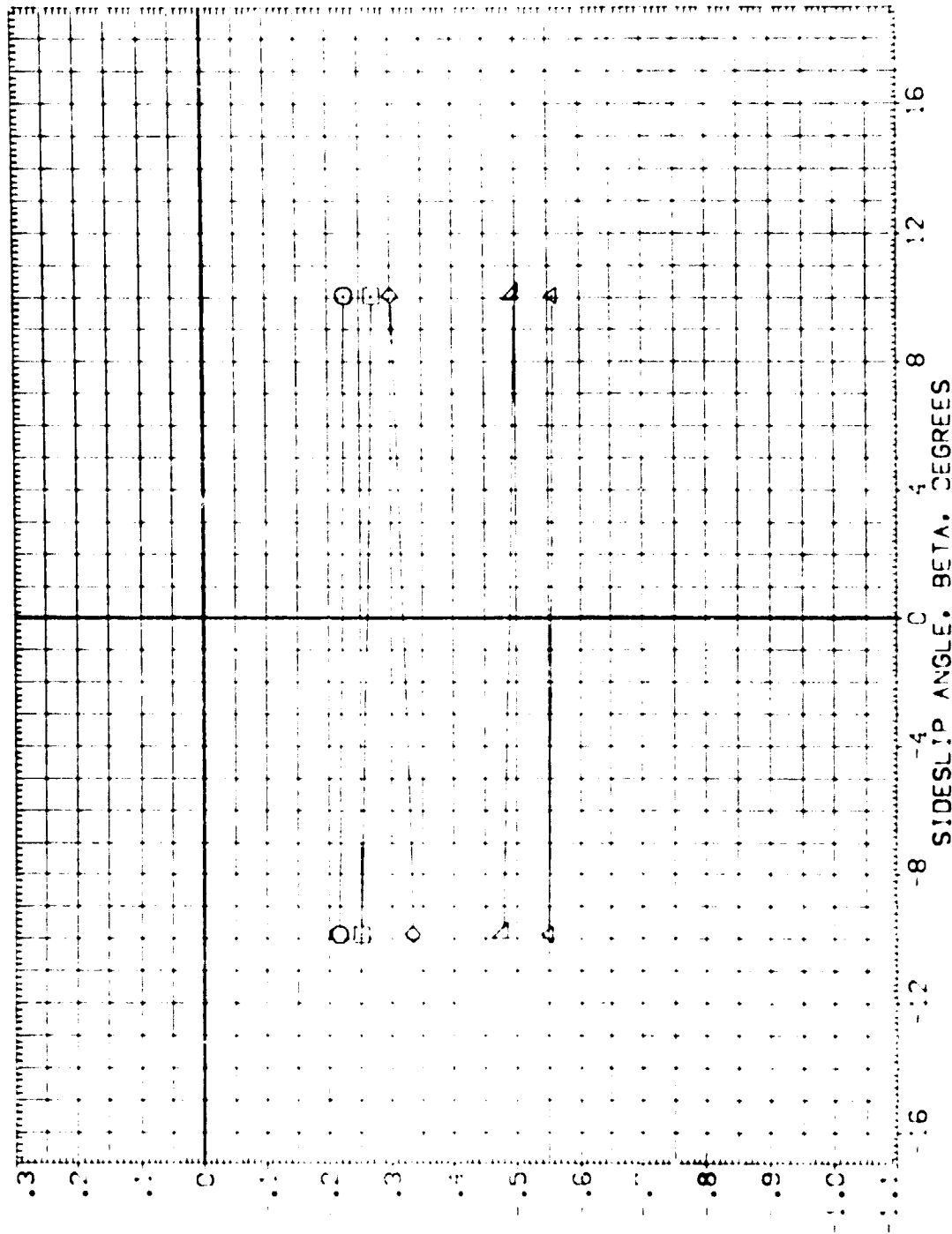
SYMBOL

TAP NO  
1.000  
2.000  
3.000  
4.000  
5.000

ALPHA  
.000 -10.160

PARAMETRIC VALUES

MACH .900 ELEVON .000  
RUDDER .000 SPOBRK .000



PRESSURE COEFFICIENT, CP

SIDESLIP ANGLE, BETA, DEGREES

ORBITER BASE PRESSURES

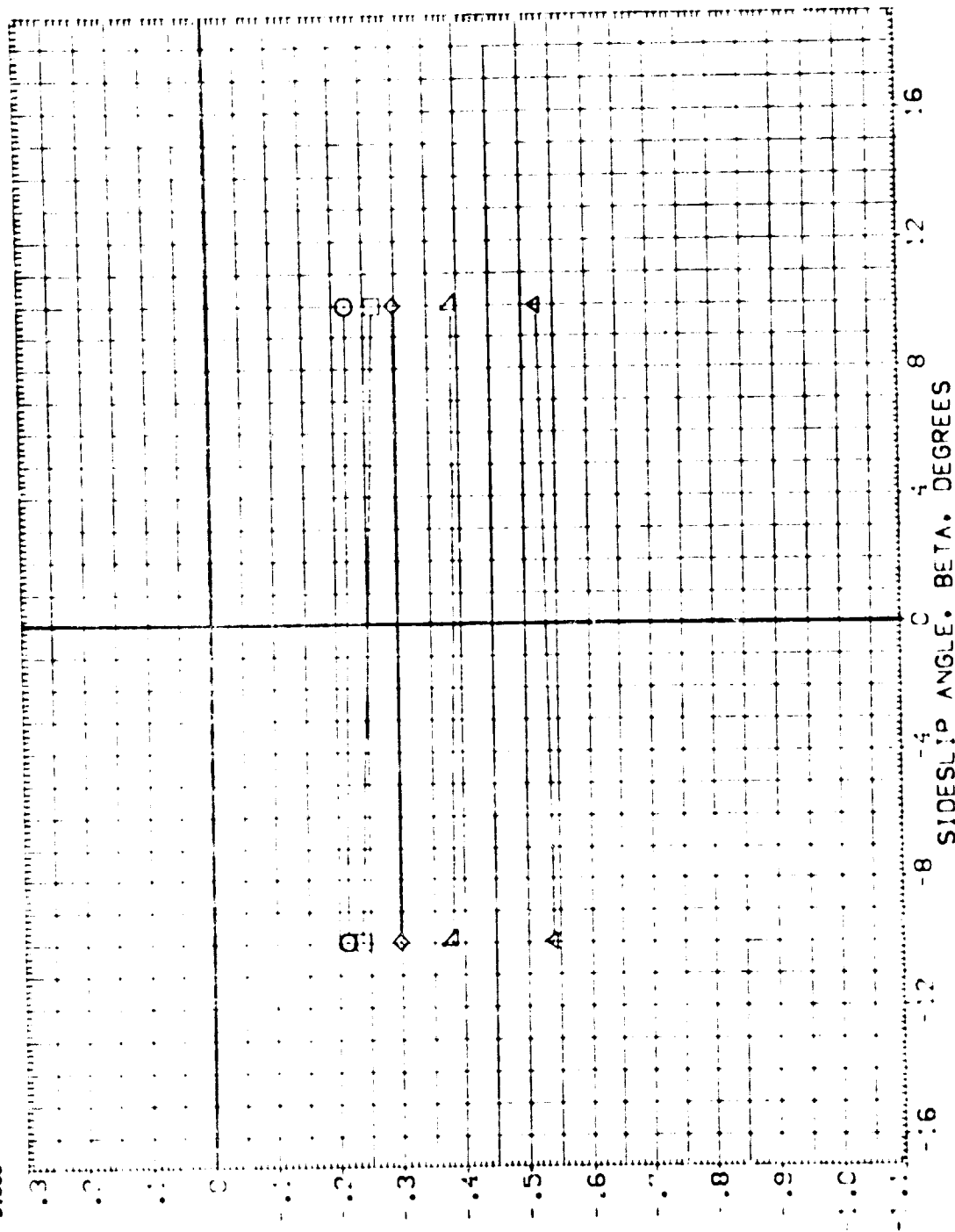
ARC11-716 CA22 C1

FUS+REFLARE BASE (RB2C14)

SYMBOL  
 1.000  
 2.000  
 3.000  
 4.000  
 5.000

ALPHA  
 .000  
 -.160

PARAMETRIC VALUES  
 MAC+ .900  
 FLOOR .000  
 ELEVON .000  
 SPDRK .000



ORBITER BASE PRESSURES

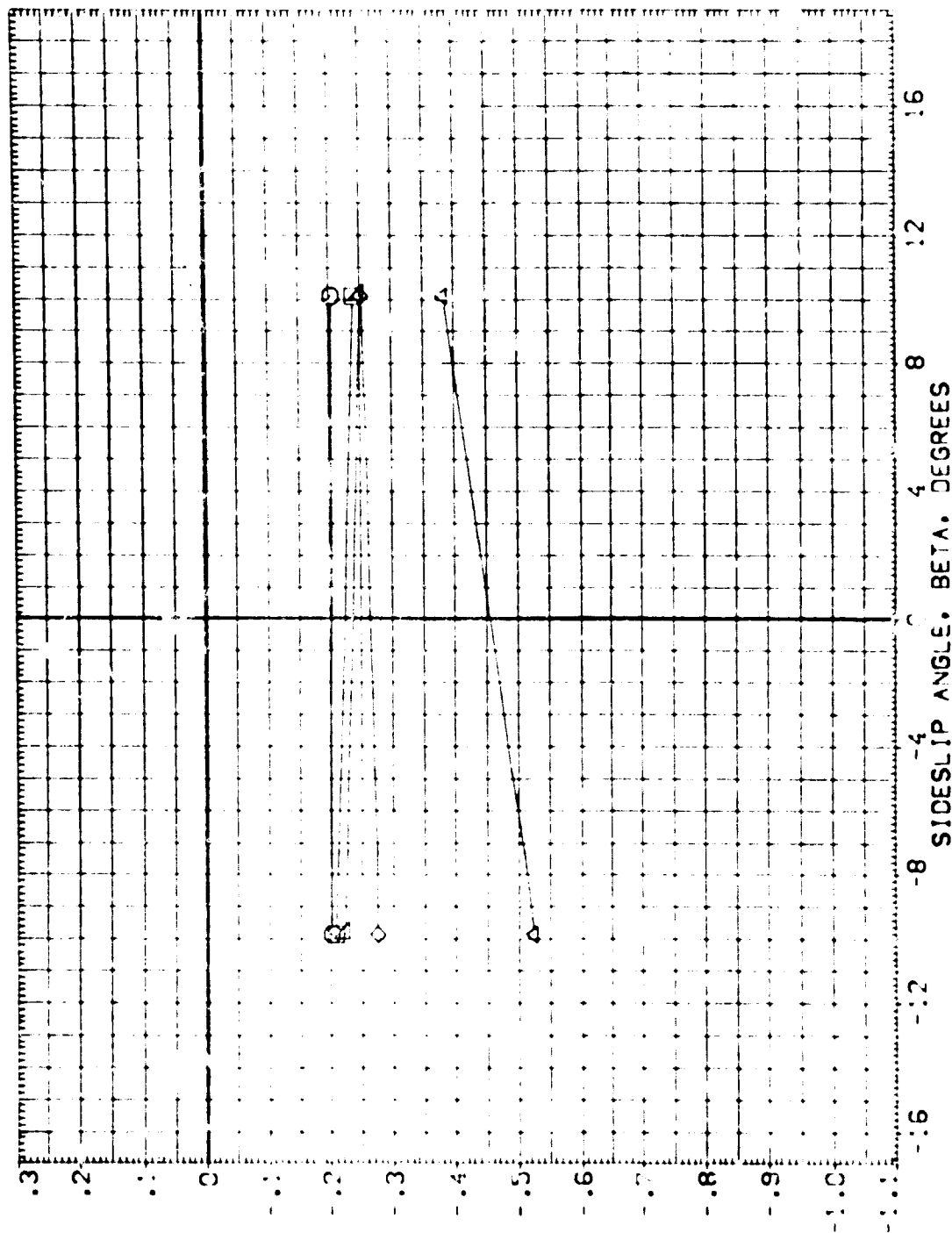
ARC11-7:6 0A22 0:

FUS+REFLARE BASE (R82C14)

SYMBD.  
TAP NO  
1.000  
2.000  
3.000  
4.000  
5.000

ALPHA  
.000 10.050

PARAMETRIC VALUES  
MACH .000  
ELEVON .000  
SPDRBK .000



PRESSURE COEFFICIENT, CP

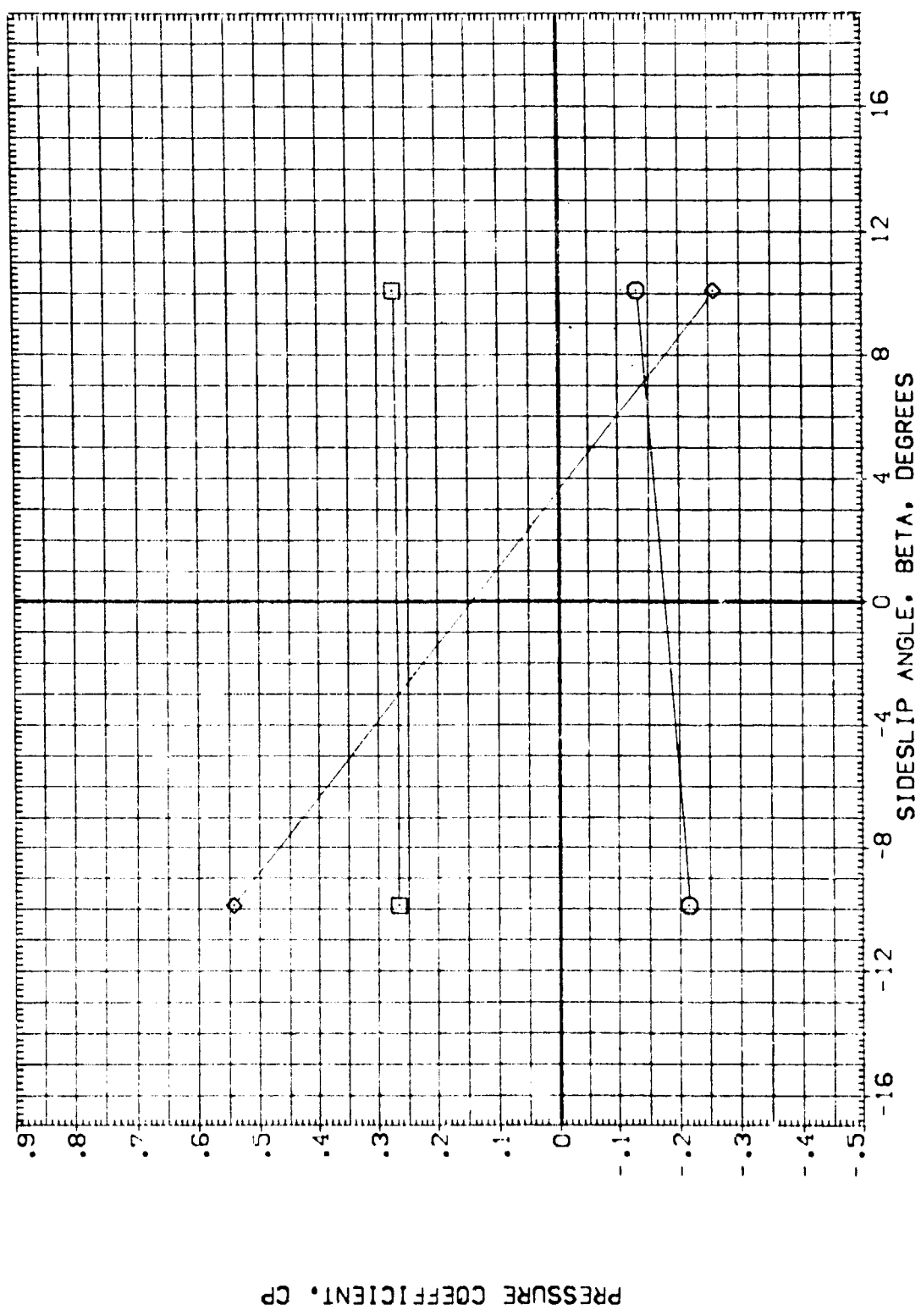
ORBITER BASE PRESSURES

317

ARC11-716 0A22 01

OMS NOZZLE (RB2E13)

SYMBOL	PHI	X/LNM	ALPHA	PARAMETRIC VALUES
○	135.000	.200	-10.000	MACH .000
□	180.000			ELEVON .000
◇	225.000			SPDRK .000



OMS NOZZLE PRESSURES

ARC11-716 0A22 01

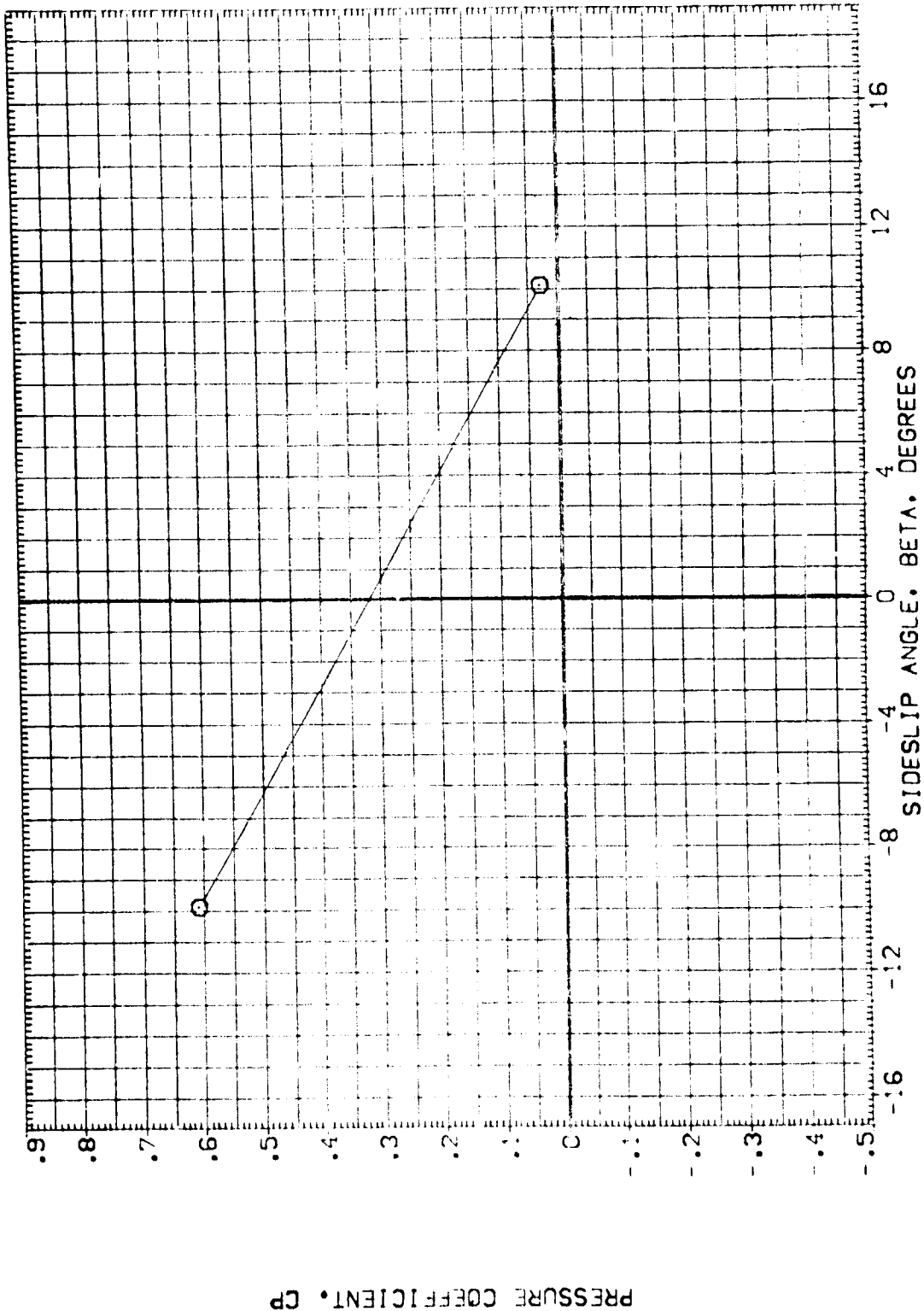
OMS NOZZLE

(RB2E13)

SYMBOL  
O

PHI 180.000  
X/LM1 .400  
ALPHA -10.000

PARAMETRIC VALUES  
MACH .600  
ELEVON .000  
RUDDER .000  
SPDRK .000



OMS NOZZLE PRESSURES





ARC11-716 0A22 01

OMS NOZZLE

(RB2E13)

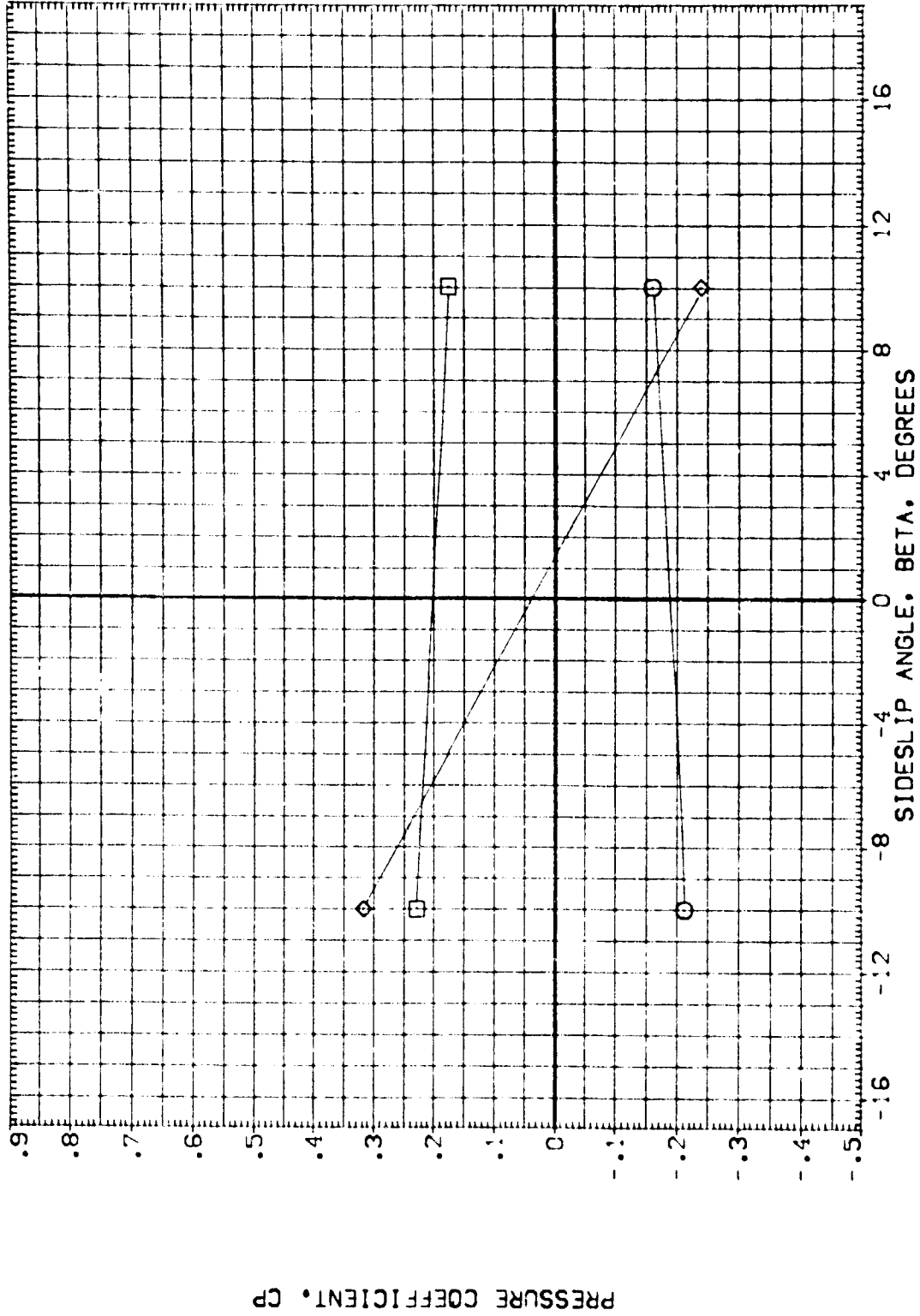
SYMBOL  
○  
□  
◇

Pn1  
135.000  
180.000  
225.000

X/LM1  
.200

ALPHA  
-.110

PARAMETRIC VALUES  
MACH .600  
RUDDER .000  
ELEVON .000  
SPDBRK .000

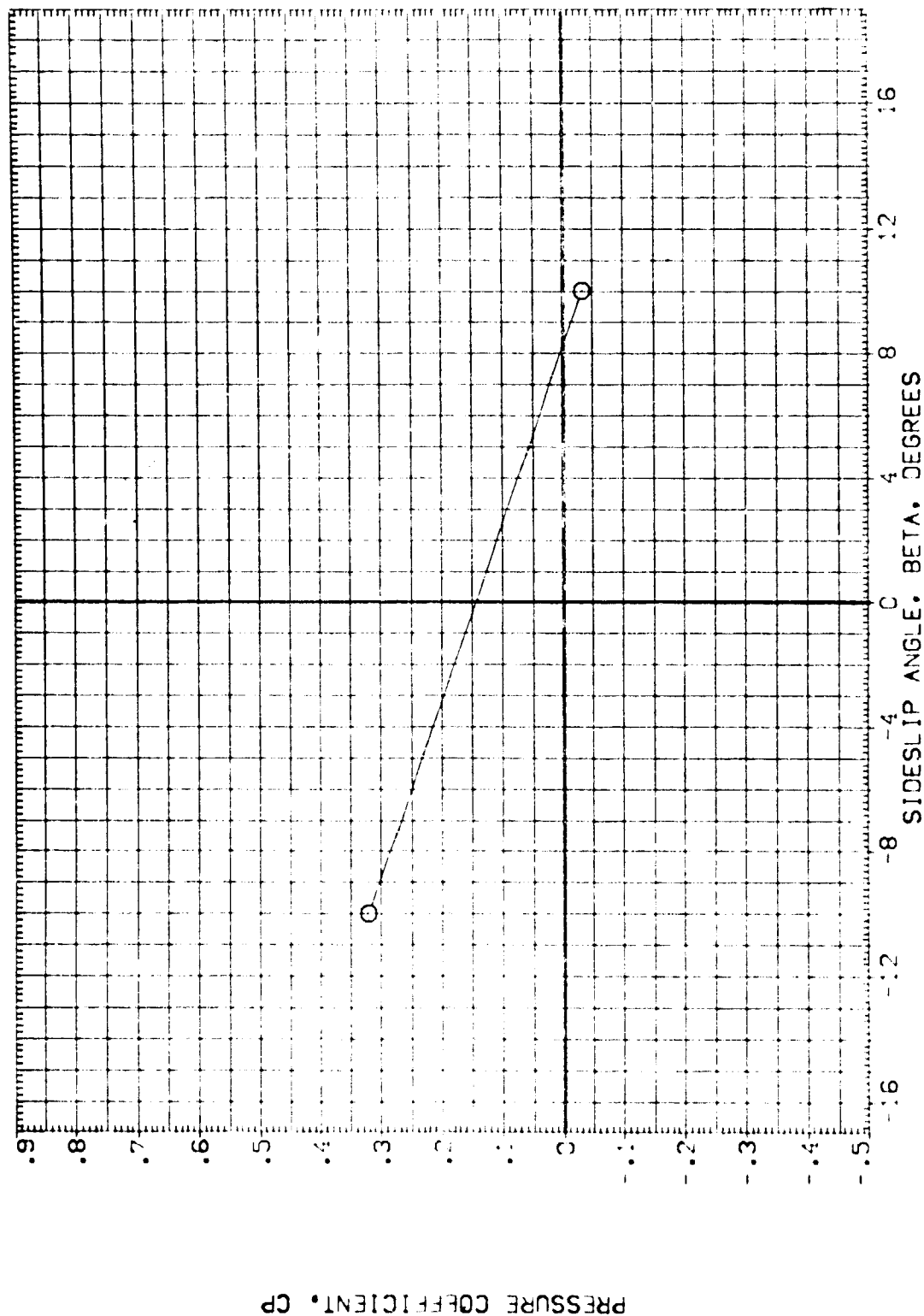


OMS NOZZLE PRESSURES



ARC11-716 0A22 0: OMS NOZZLE (RB2E13)

SYMBOL	PHI	X/LNM	ALPHA	MACH	PARAMETRIC VALUES
0	180.000	.400	-.110	RUDER	.600 ELEVON .000 SPOILER



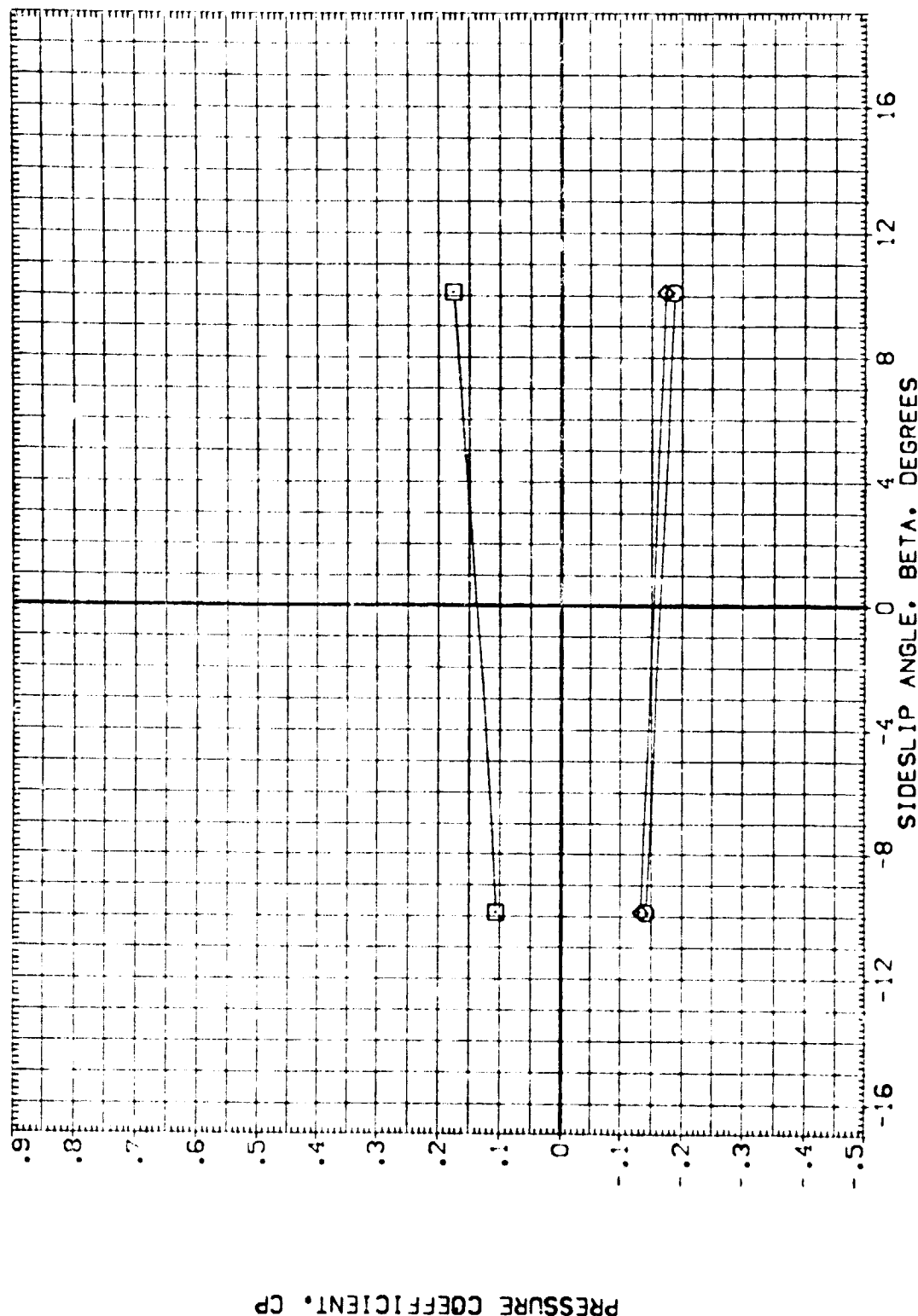
OMS NOZZLE PRESSURES

ARC11-716 0A22 C1

OMS NOZZLE

(RB2E13)

SYMBOL	PHI	X/LNH	ALPHA	PARAMETRIC VALUES	
○	135.000	.200	10.150	MACH	.000
□	180.000			ELEVON	.000
◇	225.000			RUDDER	.000



OMS NOZZLE PRESSURES

ARC11-716 0A22 01

OMS NOZZLE

(R92E13)

SYMBOL  
O

PHI  
180.000

X/LNH  
.400

ALPHA  
10.150

PARAMETRIC VALUES

.600

ELEVON

.000

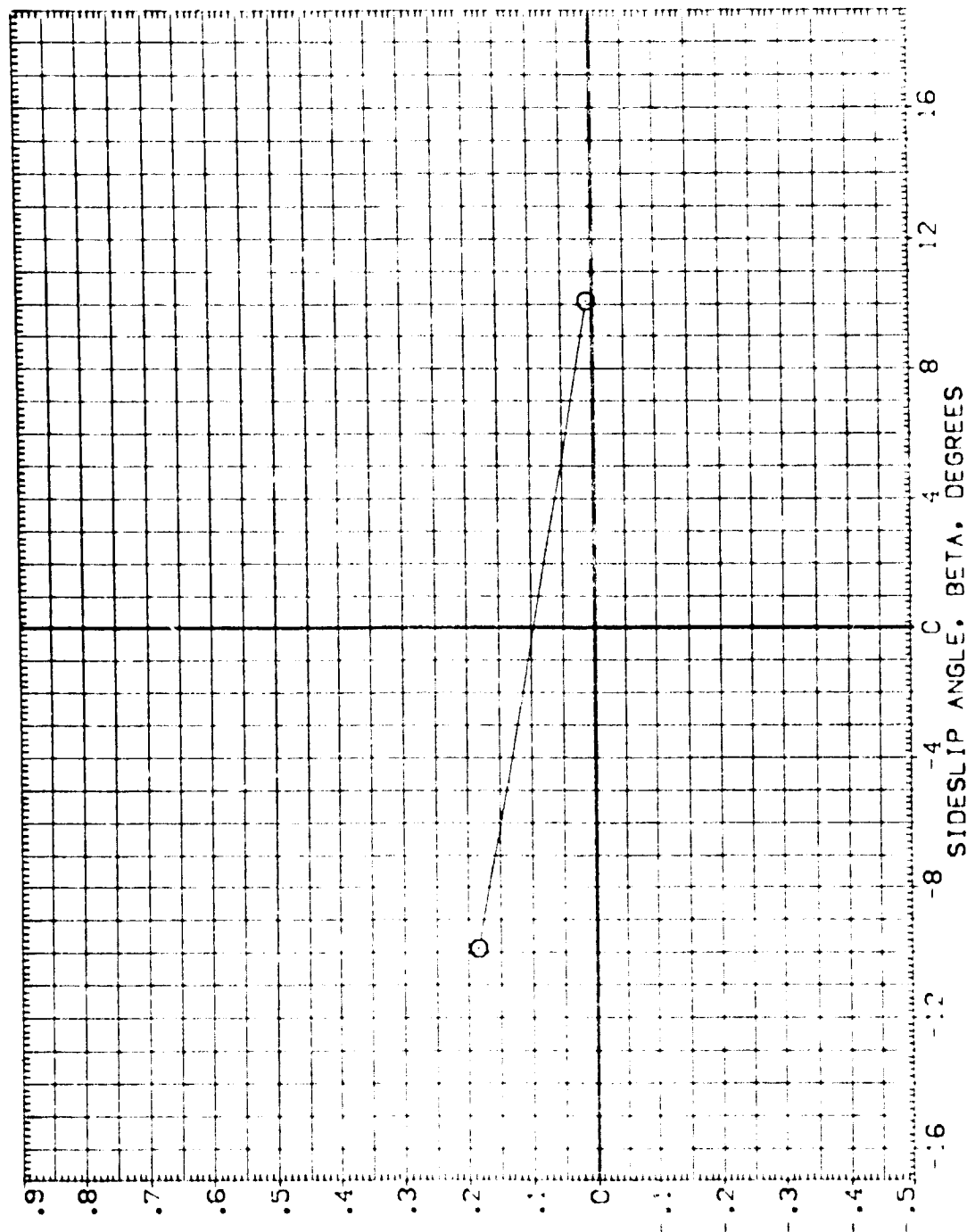
MACH

.000

SPDRBK

.000

RUDDER



PRESSURE COEFFICIENT, CP

SIDESLIP ANGLE, BETA, DEGREES

OMS NOZZLE PRESSURES

ARC:-716 0A22 01

OMS NOZZLE

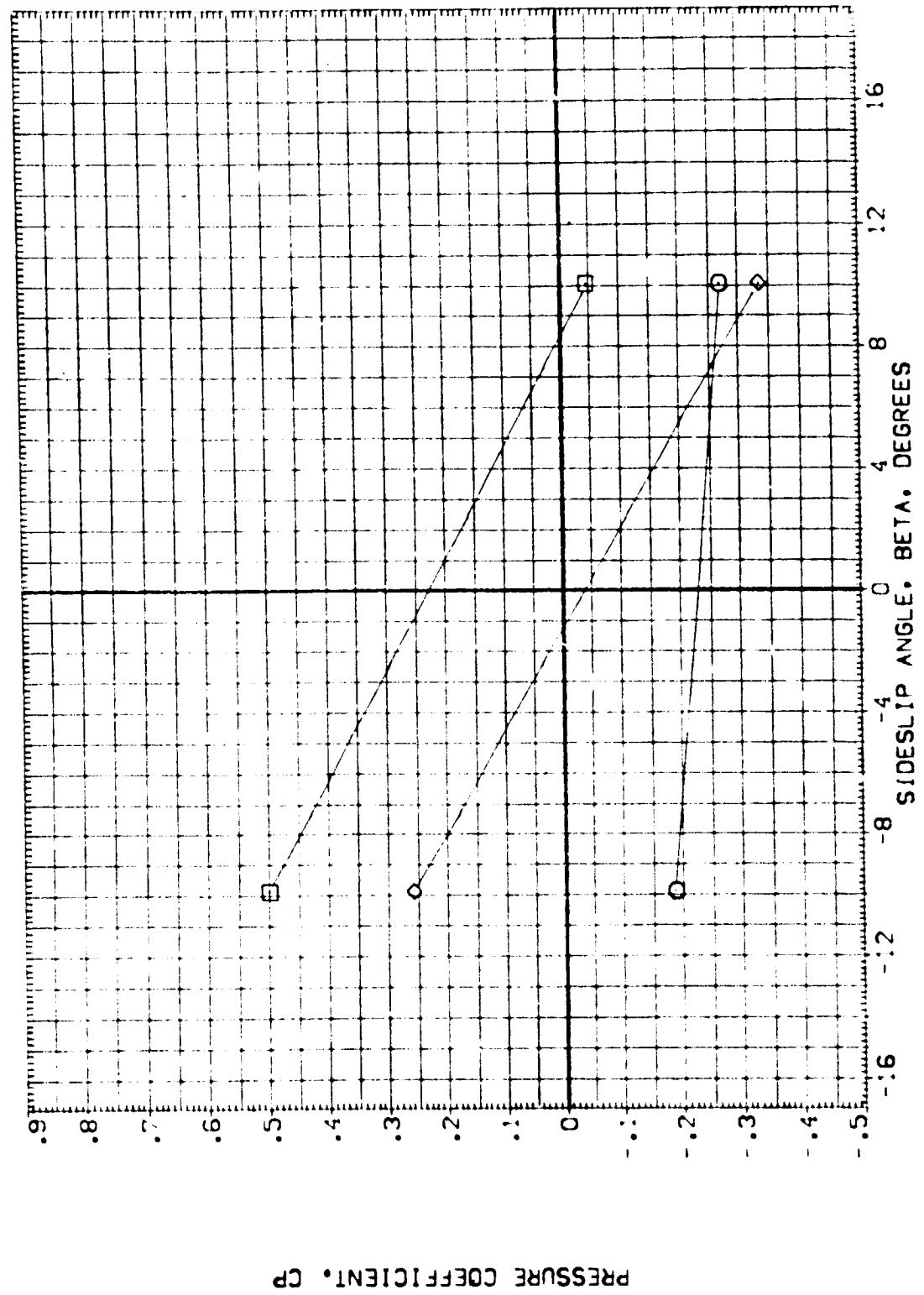
(R82E14)

SYMBOL  
 135.000  
 180.000  
 225.000

X/LNM  
 .200

ALPHA  
 -10.160

PARAMETRIC VALUES  
 MACH .900  
 RUDDER .000  
 ELEVON .000  
 SPOBRK .000



OMS NOZZLE PRESSURES



ARC11-716 0A22 01

OMS NOZZLE

(RB2E14)

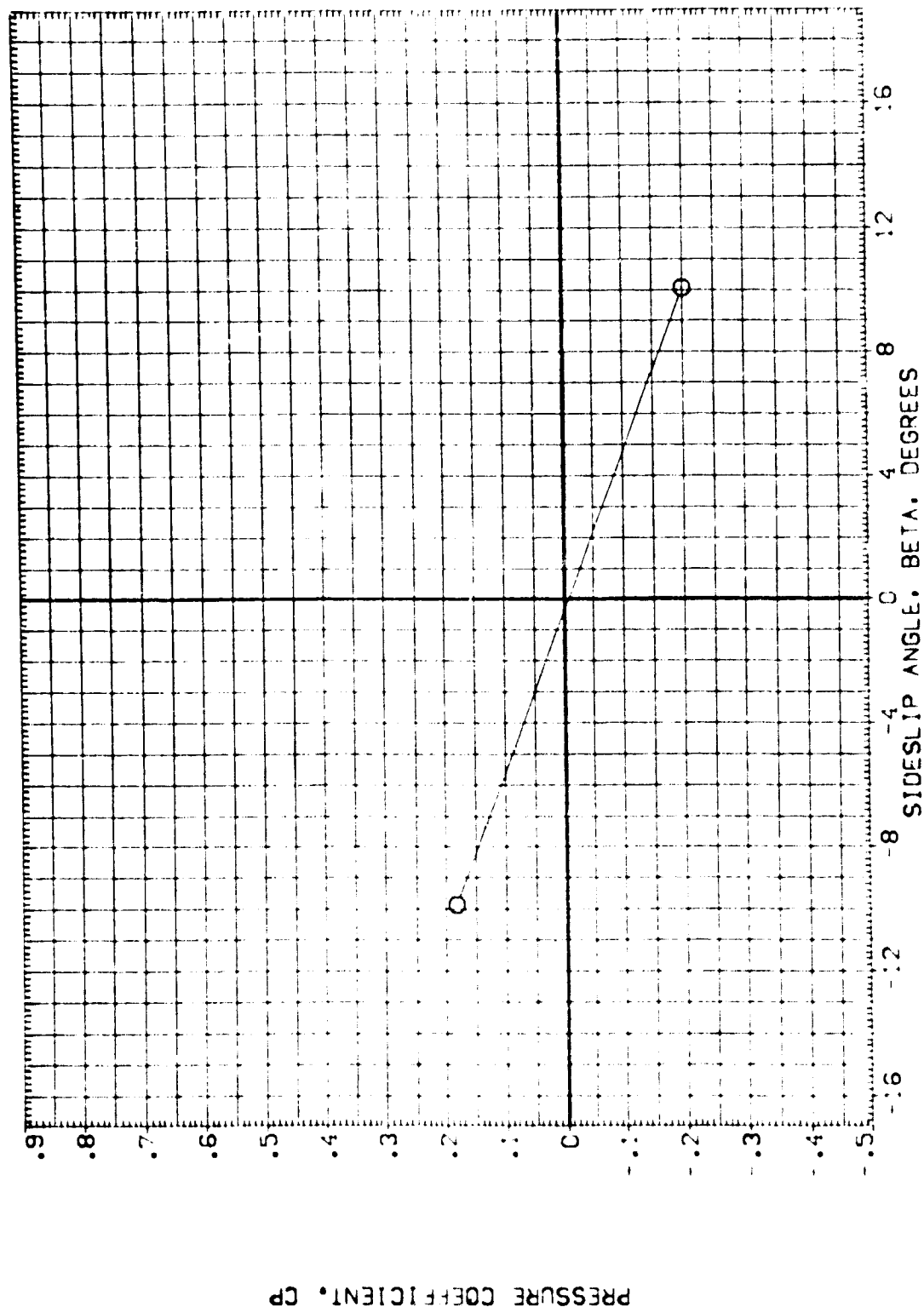
SYMBOL  
O

PHI  
180.000

X/LNH  
.400

ALPHA  
-10.160

PARAMETRIC VALUES  
MACH .900  
RUDDER .000  
ELEVON .000  
SPDBRK .000

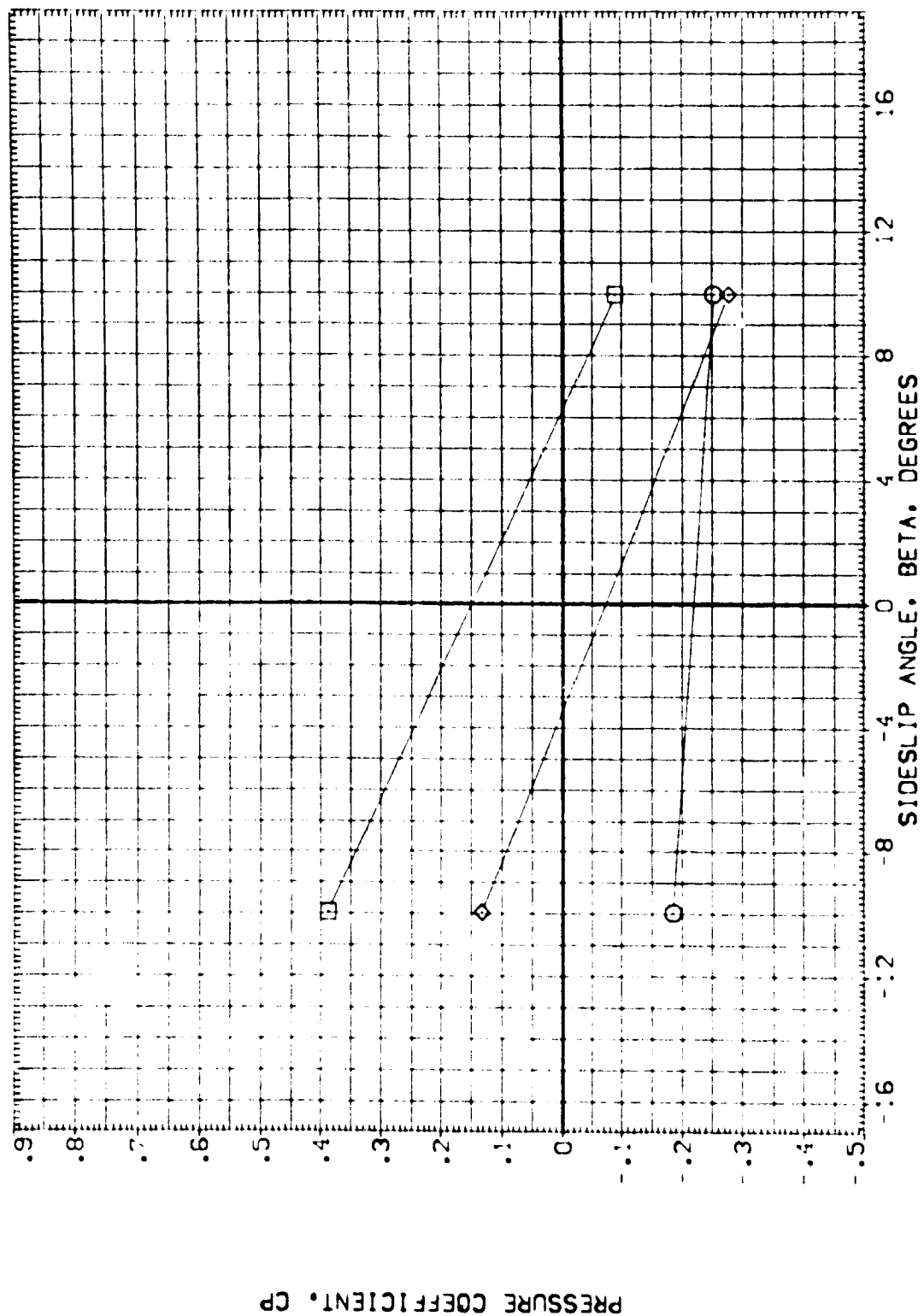


OMS NOZZLE PRESSURES

(RB2E14)

ALPHA  
- .160

..



## GMS NOZZLE PRESSURES

ARC11-716 0A22 01

OMS NOZZLE

(RB2E14)

SYMBOL  
O

PHI  
100.000

X/LNH  
.400

ALPHA  
-.160

PARAMETRIC VALUES

.900

ELEVON

.000

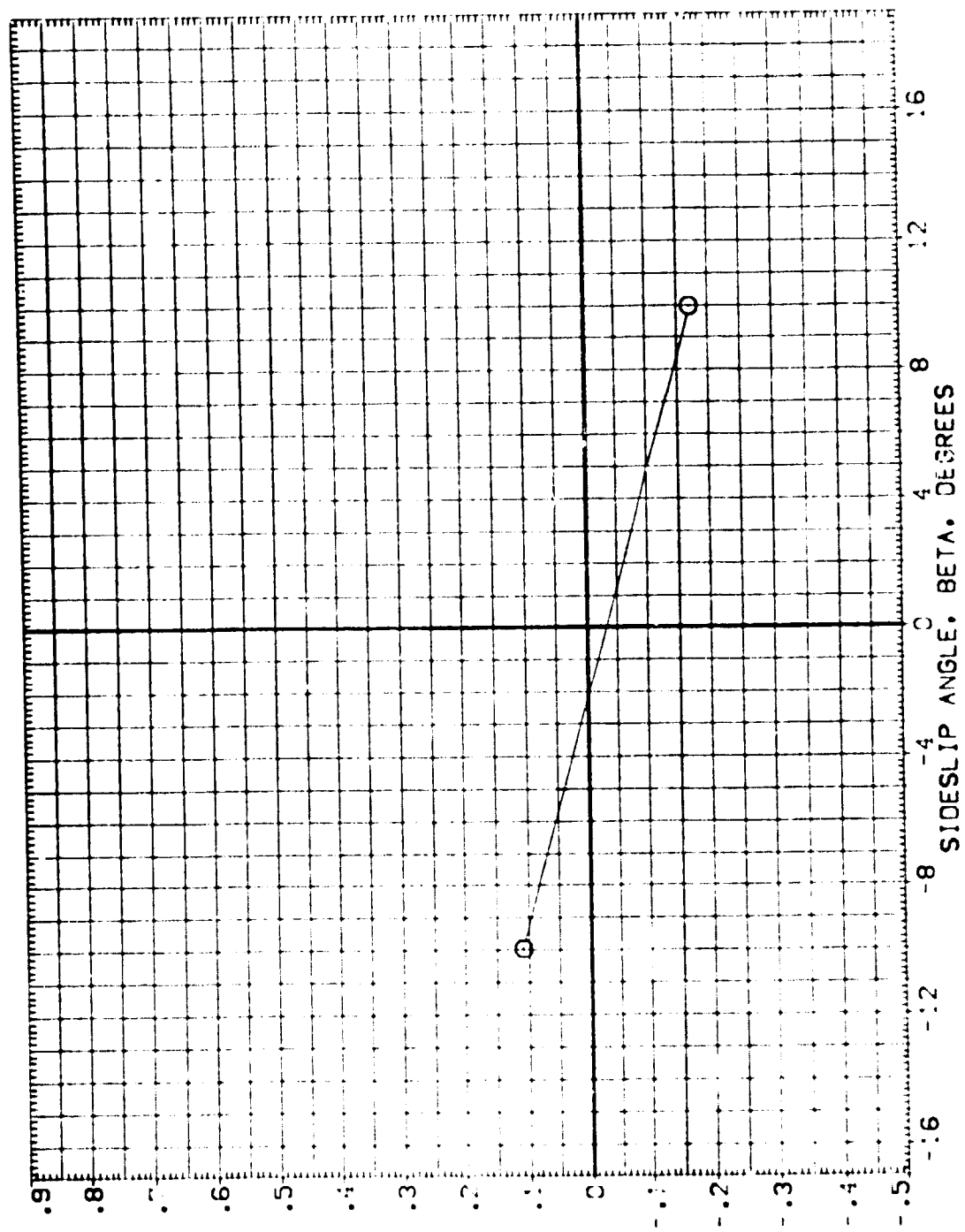
MACH  
FLUDER

.000

SPDRK

.000

PRESSURE COEFFICIENT, CP



OMS NOZZLE PRESSURES

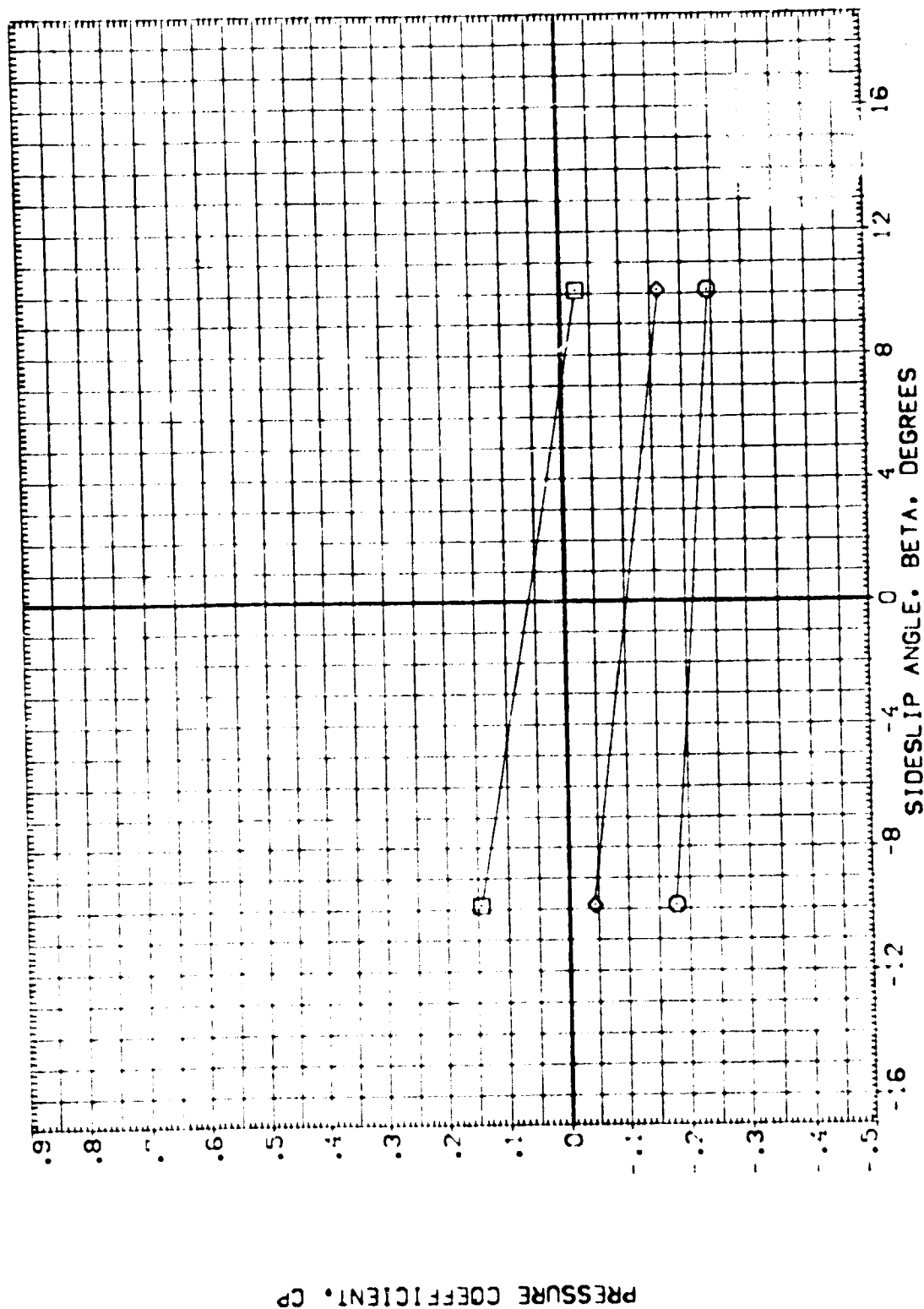


# OMS NOZZLE (RB2E14)

ARC:11-716 CA22 0:

SYMBOL P-1 X/LNM ALPHA  
 O 135.000 .200 10.050  
 O 160.000  
 O 225.000

PARAMETRIC VALUES  
 .900 ELEVON .000  
 MACH RUDDER .000



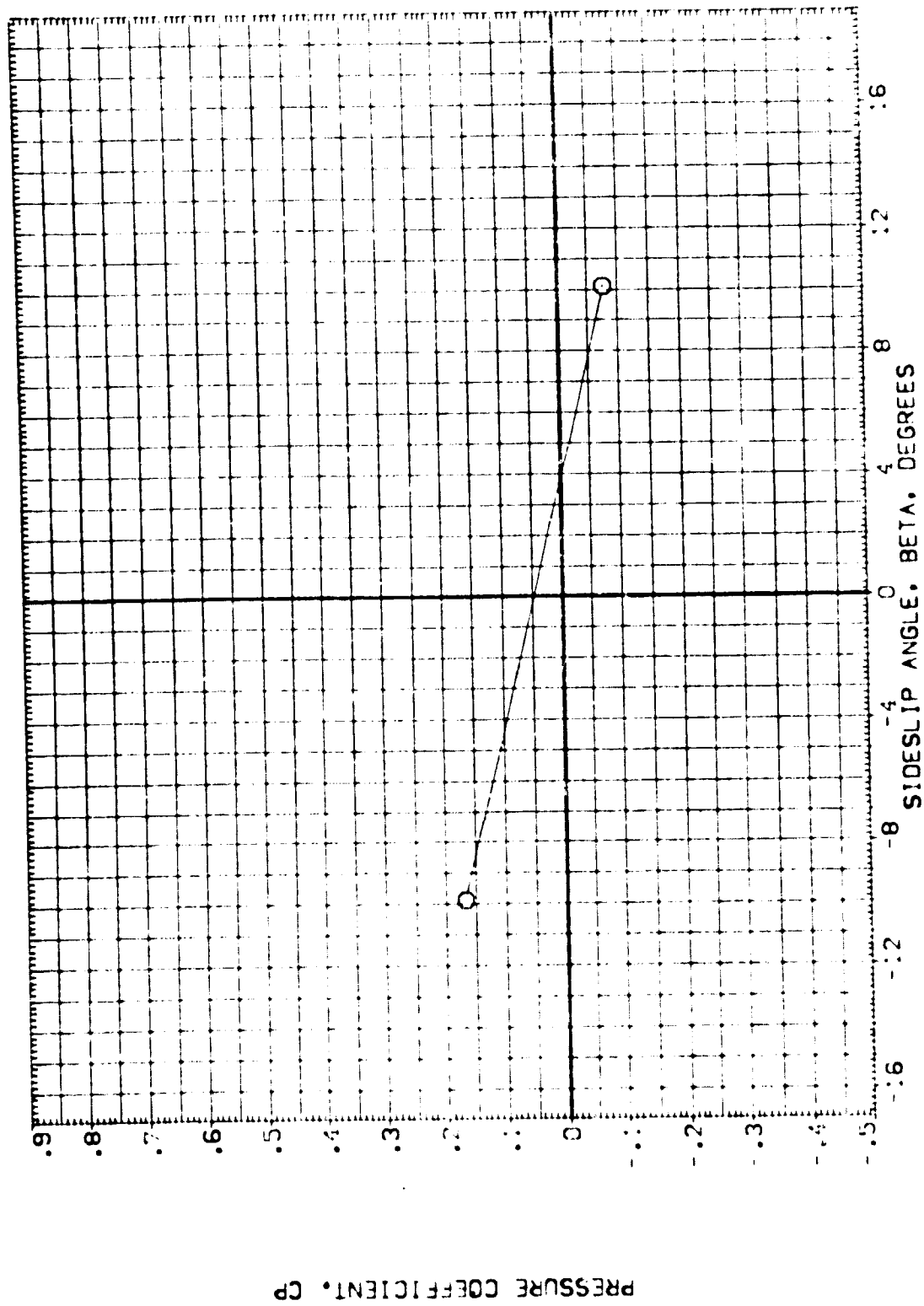
OMS NOZZLE PRESSURES

ARC11-716 0A22 01

OMS NOZZLE

(RB2E14)

SYMBOL	PMI	X/LNM	ALPHA	PARAMETRIC VALUES		
○	100.000	.400	10.050	MACH	.900	.000
				RUDDER	.000	.000



OMS NOZZLE PRESSURES

APPENDIX  
TABULATED SOURCE DATA  
(FORCE)

Tabulations of plotted data are available on  
request from Data Management Services.

DATE 16 APR 73

TABULATED FORCE DATA - 0A22A

AMES 11-716 0A22A B26 C9 F6 H7 N28 V8R5 W116 E26

(882001) ( 09 APR 75 )

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 25.5420 IN.  
LREF = 38.7090 IN. YMRP = .0000 IN.  
BREF = 38.7090 IN. ZMRP = .0000 IN.  
SCALE = .0000

BETA = .000 ELEVON = .000  
RUDDER = .000 SPDBRK = .000

PARAMETRIC DATA

RUN NO. 154/ 0 RN/L = 3.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CA	CAF	CY	CYN	CBL	CL	CD
.997	-14.480	.01000	-.79690	.03120	.01940	-.01320	-.00110	.00170	-.00070	-.77490	.18630
.997	-9.840	.01000	-.54480	.02460	.03090	-.00150	-.00240	.00130	-.00120	-.53700	.09160
.997	-4.850	.01000	-.29460	.01790	.04000	.00960	-.00390	.00100	-.00010	-.29270	.03450
.997	.080	.02000	-.05820	.01210	.04870	.01870	-.00430	.00080	.00000	-.05820	.01860
.997	5.090	.01000	.17990	.00770	.03700	.00830	-.00270	.00040	-.00010	.17830	.02420
.997	10.100	.01000	.43480	.00110	.00660	-.02250	-.00280	.00040	-.00060	.43200	.05410
.997	14.590	.01000	.68180	-.00810	-.00100	-.03510	-.00190	.00020	-.00010	.66860	.13770
GRADIENT		.00200	.04795	-.00118	.00176	.00185	-.00002	-.00004	.00002	.04757	-.00323

RUN NO. 150/ 0 RN/L = 4.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CA	CAF	CY	CYN	CBL	CL	CD
.902	-14.370	.01000	-.88980	.06110	.06810	.02600	-.00210	.00130	.00060	-.85440	.24900
.902	-9.730	.02000	-.62810	.04690	.06670	.02890	-.00450	.00080	.00010	-.61420	.13460
.902	-5.010	.02000	-.37140	.03210	.06040	.02740	-.00560	.00090	.00010	-.36760	.05970
.902	.080	.02000	-.05130	.01510	.06590	.03450	-.00560	.00080	.00040	-.05160	.03450
.902	5.070	.02000	.22300	.00380	.06350	.03380	-.00410	.00050	-.00030	.21920	.05300
.902	10.140	.02000	.47560	-.00450	.06340	.03170	-.00460	-.00010	-.00050	.46260	.11300
.902	14.600	.02000	.69780	-.01660	.06760	.02850	-.00270	-.00150	.00080	.66810	.20340
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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AMES 11-716 0422A B26 C9 F8 M7 N26 V0R5 W116 E26

(R82003) ( 09 APR 75 )

## REFERENCE DATA

SREF = 2.4210 36. FT. XMRP = 25.5420 IN.  
 LREF = 36.7090 IN. YMRP = .0300 IN.  
 BREF = 36.7090 IN. ZMRP = .0000 IN.  
 SCALE = .0300

## PARAMETRIC DATA

BETA = .000 ELEVON = -20.000  
 RUDDER = .000 SPDBRK = .000

RUN NO. 162/ 0 RIN/L = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

MAOH	ALPHA	BETA	CN	CLM	CA	CAF	CY	CYN	CBL	CL	CD
.598	-14.440	.01000	-1.15700	.09510	.05610	.02560	-.00010	.00120	-.00160	-1.11400	.31340
.598	-9.980	.02000	-.86880	.08600	.06770	.04000	-.00300	.00110	-.00410	-.86840	.19340
.598	-4.870	.02000	-.61410	.07710	.07760	.03080	-.00160	.00040	.00010	-.60760	.10280
.598	-.010	.02000	-.34620	.06540	.08540	.05900	-.00280	.00030	-.00060	-.34620	.05910
.598	5.000	.02000	-.10820	.05940	.07630	.04980	-.00290	.00010	-.00040	-.11210	.04010
.598	9.970	.02000	.14120	.05390	.04690	.02000	-.00280	-.00020	-.00050	.13560	.04420
.598	14.640	.02000	.39350	.04740	.02310	-.00580	-.00330	.00010	-.00040	.38240	.09320
GRADIENT		.00000	.05124	-.03179	-.00014	-.00011	-.00013	-.00003	-.00003	.05018	-.00634

RUN NO. 158/ 0 RIN/L = 4.53 GRADIENT INTERVAL = -5.00/ 5.00

MAOH	ALPHA	BETA	CN	CLM	CA	CAF	CY	CYN	CBL	CL	CD
.904	-14.570	.02000	-1.11700	.10720	.13260	.07510	.00190	.00060	.00070	-1.06200	.33360
.904	-10.030	.02000	-.94490	.11090	.12460	.08090	-.00010	.00010	.00020	-.91640	.24420
.904	-4.980	.02000	-.68100	.09950	.12290	.08620	-.00300	.00000	-.00060	-.67100	.14500
.904	.000	.03000	-.35990	.07990	.12380	.08950	-.00480	.00000	-.00090	-.35990	.08960
.904	5.040	.03000	-.04890	.06200	.13910	.07700	-.00550	.00020	-.00060	-.05540	.07240
.904	10.010	.03000	.29270	.03630	.09800	.06490	-.00640	-.00020	-.00050	.27700	.11440
.904	14.620	.03000	.53200	.02220	.03260	.05990	-.00070	-.00260	-.00120	.51900	.19740
GRADIENT		.00201	.06448	-.00394	.00018	.00066	-.00036	.00000	-.00006	.06247	-.01112



REFERENCE DATA  
 SREF = 2.4210 50.FT. XMRP = 25.5420 IN.  
 LREF = 36.7090 IN. YMRP = .0000 IN.  
 BREF = 36.7090 IN. ZMRP = .0000 IN.  
 SCALE = .0300

PARAMETRIC DATA  
 ALPHA = .000 ELEVON = .000  
 RUDDER = -10.000 SPOBRK = .000

RUN NO. 167/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

	ALPHA	CN	CLM	CA	CAF	CY	CYN	CBL	CL	CD
MACH										
.800	-12000	-05270	.00810	.04290	.01030	.15160	-.00300	-.00340	-.03270	.01040
.850	-11000	-.06100	.01200	.05010	.01960	.06440	.00300	-.00370	-.06100	.01970
.900	-12000	-.07090	.01400	.05400	.02380	-.02420	.00820	-.00360	-.07090	.02390
.950	-12000	-.06780	.01170	.05200	.01870	-.11920	.01610	-.00420	-.06780	.01890
.000	-12000	-.03970	.00320	.04690	.01050	-.21350	.02310	-.00400	-.03970	.01070
GRADIENT	-.00100	-.00068	-.00003	.00019	-.00009	-.01843	.00132	-.00003	-.00068	-.00009

RUN NO. 166/ 0 RN/L = 4.49 GRADIENT INTERVAL = -5.00/ 5.00

	ALPHA	CN	CLM	CA	CAF	CY	CYN	CBL	CL	CD
MACH										
.850	-17000	-.06690	.01120	.06980	.03010	.17920	-.01010	-.00630	-.06670	.03030
.899	-15000	-.05750	.01370	.06810	.03450	.09330	-.00550	-.00700	-.05750	.03460
.899	-15000	-.06580	.01700	.06960	.03840	-.01770	.00610	-.00230	-.06570	.03860
.899	-15000	-.06830	.01470	.07210	.03500	-.13370	.01980	-.00230	-.06820	.03820
.899	-18000	-.07920	.01270	.07260	.03040	-.22300	.02440	.00160	-.07910	.03070
GRADIENT	-.00100	-.00108	.00010	.00040	.00015	-.02279	.00254	.00007	-.00107	.00016

REFERENCE DATA  
 SREF = 2.4210 50.FT. XMRP = 25.5420 IN.  
 LREF = 36.7090 IN. YMRP = .0000 IN.  
 BREF = 36.7090 IN. ZMRP = .0000 IN.  
 SCALE = .0300

PARAMETRIC DATA  
 ALPHA = .000 ELEVON = .000  
 RUDDER = 10.000 SPOBRK = .000

RUN NO. 169/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

	ALPHA	CN	CLM	CA	CAF	CY	CYN	CBL	CL	CD
MACH										
.800	-12000	-.05110	.00820	.04640	.01110	.19810	-.02040	.00470	-.05110	.01120
.800	-11000	-.05900	.01160	.05110	.01830	.10990	-.01450	.00470	-.05900	.01840
.800	-12000	-.06970	.01370	.05340	.02130	.01490	-.00680	.00330	-.06970	.02140
.800	-12000	-.06650	.01140	.04930	.01620	-.07270	-.00140	.00400	-.06640	.01640
.800	-12000	-.05940	.00890	.04230	.00780	-.16310	.00490	.00450	-.05940	.00790
GRADIENT	-.00200	-.00214	.00042	.00046	.00050	-.01904	.00154	-.00028	-.00214	.00060

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(RB2010) ( 09 APR 75 )

AMES 11-716 0A22A B26 C9 F8 M7 N28 V8R5 W116 E26

## REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 25.5420 IN.  
 LREF = 36.7090 IN. YMRP = .0000 IN.  
 BREF = 36.7090 IN. ZMRP = .0000 IN.  
 SCALE = .0300

ALPHA = .000 ELEVON = .000  
 RUDDER = 10.000 SPDGRK = .000

## PARAMETRIC DATA

RUN NO. 168/ 0 RM/L = 4.50 GRADIENT INTERVAL = -5.00/ 5.00

MAOM	BETA	ALPHA	CN	CLM	CA	CAF	CY	CYN	CL	CD
.900	-9.930	-1.7000	-0.6430	.01090	.07270	.03310	.21310	-.02330	-.00040	-.06420
.900	-4.950	-1.15000	-0.5750	.01360	.06940	.03480	.12380	-.01780	.00280	-.05750
.900	.030	-1.15000	-0.6410	.01650	.06980	.03680	.00840	-.00420	.00210	-.06400
.900	5.020	-1.60000	-0.6970	.01410	.06710	.03100	-.09950	-.00640	.00350	-.06960
.900	10.010	-1.18000	-0.8110	.01270	.06840	.03040	-.18900	.01080	.00790	-.08100
	GRADIENT	-.00100	-.00122	.00005	-.00023	-.00038	-.00244	.00243	.00007	-.00122

AMES 11-716 0A22A B26 C9 F8 M7 N28 V8R5 W116 E26

(RB2011) ( 09 APR 75 )

## REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 25.5420 IN.  
 LREF = 36.7090 IN. YMRP = .0000 IN.  
 BREF = 36.7090 IN. ZMRP = .0000 IN.  
 SCALE = .0300

BETA = .000 ELEVON = .000  
 RUDDER = .000 SPDGRK = .000

## PARAMETRIC DATA

RUN NO. 171/ 0 RM/L = 3.96 GRADIENT INTERVAL = -5.00/ 5.00

MAOM	BETA	ALPHA	CN	CLM	CA	CAF	CY	CYN	CL	CD
.595	-14.370	.02000	-.80410	.03650	.03260	-.00000	-.00300	.00170	-.00060	-.78640
.595	-9.790	.02000	-.53440	.03030	.04420	-.01670	-.00430	.00150	-.00120	-.54910
.595	-4.790	.02000	-.30420	.02350	.05360	-.00670	-.00620	.00130	-.00130	-.30370
.595	.180	.02000	-.06580	.01740	.06180	.00000	-.00640	.00100	-.00020	-.06580
.595	5.220	.02000	.17160	.01270	.04940	-.00830	-.00510	.00060	-.00060	.17170
.595	10.260	.02000	.43220	.00580	.01800	-.04000	-.00520	.00060	-.00100	.43240
.595	14.650	.02000	.68320	-.00350	.01070	-.05170	-.00380	.00040	-.00050	.67370
	GRADIENT	.00000	.04797	-.00123	.00165	.00195	-.00004	-.00006	.00002	.04787

RUN NO. 170/ 0 RM/L = 4.49 GRADIENT INTERVAL = -5.00/ 5.00

MAOM	BETA	ALPHA	CN	CLM	CA	CAF	CY	CYN	CL	CD
.902	-14.470	.02000	-.90890	.06820	.08090	.00390	-.00220	.00130	.00100	-.87910
.902	-9.870	.02000	-.63410	.05420	.07910	.00830	-.00480	.00120	-.00050	-.64290
.902	-4.830	.02000	-.37490	.03790	.07000	.00690	-.00680	.00120	-.00030	-.37300
.902	.180	.02000	-.06110	.02130	.07830	.01500	-.00710	.00110	.00000	-.06120
.902	5.220	.02000	.21910	.00910	.07720	.01490	-.00080	.00080	-.00050	.21680
.902	10.260	.03000	.45690	.00120	.07480	.01160	-.00580	.00020	-.00060	.45730
.902	14.840	.03000	.69970	-.01240	.07890	.01000	-.00320	-.00140	.00100	.67380
	GRADIENT	.00000	.06263	-.00331	.00106	.00162	-.00006	-.00002	.00006	.06224



DATE 16 APR 75

TABULATED FORCE DATA - 0A22A

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AMES 11-716 0A22A B26 C9 F8 M7 N28 V8R5 W116 E26

(RB2012) (09 APR 75)

## REFERENCE DATA

SRF = 2.4210 36-FT. XMRP = 25.5420 IN.  
 LREF = 36.7090 IN. YMRP = .0000 IN.  
 BRP = 36.7090 IN. ZMRP = .0000 IN.  
 SCALE = .0300

## PARAMETRIC DATA

BETA = .000 ELEVON = .000  
 RUDDER = .000 SPDBRK = 55.000

RUN NO. 173/ 0 RW/L = 3.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CA	CAF	CY	CYN	CBL	CL	CD
.596	-14.490	.02000	-.61770	.04250	.04770	-.03480	-.00390	.00180	-.00050	-.80060	.17040
.596	-9.830	.02000	-.56810	.03530	.05980	-.02270	-.00450	.00150	-.00110	-.56370	.07460
.596	-4.820	.02000	-.31410	.02920	.06930	-.01450	-.00570	.00120	-.00020	-.31420	.01200
.596	.090	.02000	-.07630	.02320	.07820	-.00770	-.00530	.00090	-.00020	-.07630	-.00780
.596	5.190	.02000	.16440	.01830	.05550	-.01960	-.00450	.00050	-.00040	.16550	-.00460
.596	10.220	.02000	.42300	.01160	.03400	-.05190	-.00460	.00040	-.00100	.42550	.02400
.596	14.790	.02000	.67420	.00250	.02380	-.06530	-.00290	-.00010	-.00050	.66870	.10840
GRADIENT		.00000	.04843	-.00122	.00169	.00138	.00008	-.00006	.00000	.04845	-.00403

RUN NO. 172/ 0 RW/L = 4.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CA	CAF	CY	CYN	CBL	CL	CD
.903	-14.490	.02000	-.92320	.07620	.09800	.00720	-.00210	.00120	.00060	-.89780	.23960
.903	-9.890	.02000	-.67180	.06170	.09490	.00400	-.00550	.00100	-.00050	-.66120	.11920
.903	-4.840	.02000	-.38320	.04470	.08760	.00140	-.00690	.00110	-.00020	-.38770	.03420
.903	.210	.02000	-.07350	.02810	.09450	.01060	-.00730	.00100	.00010	-.07370	.01030
.903	5.170	.02000	.20480	.01630	.09070	.00310	-.00610	.00070	-.00040	.20320	.02650
.903	10.260	.02000	.45940	.00740	.08950	.00340	-.00630	.00000	-.00040	.45150	.08520
.903	14.840	.02000	.69350	-.00540	.03170	-.00160	-.00560	-.00040	.00000	.67080	.17600
GRADIENT		.00000	.06250	-.00329	.00137	.00182	-.00008	-.00002	.00006	.06218	-.00473

## REFERENCE DATA

SRF = 2.4210 36-FT. XMRP = 25.5420 IN.  
 LREF = 36.7090 IN. YMRP = .0000 IN.  
 BRP = 36.7090 IN. ZMRP = .0000 IN.  
 SCALE = .0300

## PARAMETRIC DATA

MACH = .600 ELEVON = .000  
 RUDDER = .000 SPDBRK = .000

RUN NO. 0/ 0 RW/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CN	CLM	CA	CAF	CY	CYN	CBL	CL	CD
-10.000	-9.870	-10.00000	-.51490	.02020	.02840	-.00480	.18650	-.01250	-.00370	-.30790
-10.000	10.110	-10.01000	-.52260	.02040	-.02800	-.00330	-.20130	.01480	.00470	-.51620
GRADIENT		-.99011	-.05169	.00202	.00277	-.00092	-.01991	.00146	.00046	-.05106

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 OF POOR QUALITY



AWES 11-716 0A22A B26 C9 F8 M7 N28 VBR5 W116 E26 (RB2013) ( 09 APR 75 )

## REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 25.5420 IN.  
 LREF = 36.7090 IN. YMRP = .0000 IN.  
 BREF = 36.7090 IN. ZMRP = .0000 IN.  
 SCALE = .0000

## PARAMETRIC DATA

MACH = .600 ELEVON = .000  
 RUDDER = .000 SPDBRK = .000

RUN NO. 0/ 0 RN/L = 3.96 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CN	CLM	CA	CAF	CY	CYN	CD
.000	-9.980	-.04470	.00710	.04210	.00860	.18090	-.01250	.00870
.000	10.010	-.05300	.00780	.04230	.00720	-.18680	.01400	.00760
GRADIENT	-.01199	-.00529	.00078	.00423	.00075	-.01866	.00140	.00076

RUN NO. 0/ 0 RN/L = 3.96 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CN	CLM	CA	CAF	CY	CYN	CD
10.000	-9.660	.44610	-.00270	.00420	-.02930	.17330	-.01220	.04970
10.000	10.110	10.18000	-.00210	.00560	-.00000	-.18390	.01330	.04830
GRADIENT	1.00592	.01270	-.00021	.00055	-.00300	-.01819	.00132	.00470

AWES 11-716 0A22A B26 C9 F8 M7 N28 VBR5 W116 E26

(RB2014) ( 09 APR 75 )

## REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 25.5420 IN.  
 LREF = 36.7090 IN. YMRP = .0000 IN.  
 BREF = 36.7090 IN. ZMRP = .0000 IN.  
 SCALE = .0000

## PARAMETRIC DATA

MACH = .905 ELEVON = .000  
 RUDDER = .000 SPDBRK = .000

RUN NO. 0/ 0 RN/L = 4.49 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CN	CLM	CA	CAF	CY	CYN	CD
-10.000	-9.660	-.62820	.00850	.06380	.02300	.21630	-.01400	.13350
-10.000	10.070	10.18000	-.00340	.06350	.02380	-.23530	.01730	.13330
GRADIENT	-1.01032	-.00290	.01279	.00650	.00236	-.02337	.00172	.01344

RUN NO. 0/ 0 RN/L = 4.48 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CN	CLM	CA	CAF	CY	CYN	CD
.000	-9.950	-.05920	.00960	.06770	.02950	.19770	-.01600	.02970
.000	10.000	-.07310	.01110	.06680	.02610	-.20730	.01740	.02630
GRADIENT	-.01800	-.00731	.00111	.00568	.00261	-.02073	.00174	.00263

RUN NO. 0/ 0 RN/L = 4.49 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CN	CLM	CA	CAF	CY	CYN	CD
10.000	-9.670	.45770	-.00670	.06250	.02810	.18240	-.00880	.10760
10.000	10.100	10.12000	-.00520	.06170	.02540	-.19510	.01860	.10480
GRADIENT	1.00138	.04494	-.00551	.00611	.00251	-.01932	.00085	.01038



DATE 16 APR 75

TABULATED FORCE DATA - 0A22A

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AMES 11-716 0A22A B26 C9 F8 M7 N28 V8R5 W116 E26

(RB2015) (09 APR 75)

## REFERENCE DATA

SREF = 2.4210 36. FT. XMRP = 25.5420 IN.  
 LREF = 36.7390 IN. YMRP = .0000 IN.  
 BREF = 36.7390 IN. ZMRP = .0000 IN.  
 SCALE = .0000

MACH = .597 ELEVON = -20.000  
 RUDDER = .000 SPDBRK = .000

## PARAMETRIC DATA

RUN NO. 0/0 RV/L = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	ALPHA	CN	CLM	CA	CAF	CY	CYN	CBL	CL	CD
-10.000	-9.880	-9.90000	-8.4300	.07890	.05990	.02950	.18430	-.01160	-.00110	-.82530	.17400
-10.000	10.100	-9.89000	-.84840	.08000	.06070	.02870	-.19340	.01300	.00240	-.83060	.17400
	GRADIENT	-.97921	-.08400	.03792	.00601	.00284	-.01335	.00129	.00024	-.08226	.01723

RUN NO. 0/0 RV/L = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	ALPHA	CN	CLM	CA	CAF	CY	CYN	CBL	CL	CD
.000	-9.970	-.22000	-.33470	.05950	.07580	.04340	.16220	-.01010	-.00180	-.33450	.04470
.000	10.010	.08000	-.32660	.05970	.07530	.04970	-.17450	.01080	.00360	-.32670	.04930
	GRADIENT	.00799	-.03263	.00596	.00752	.00497	-.01743	.00106	.00036	-.03264	.00493

RUN NO. 0/0 RV/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	ALPHA	CN	CLM	CA	CAF	CY	CYN	CBL	CL	CD
10.000	-9.860	10.21000	-.15280	.04950	.04290	.00790	.15340	-.00920	.01000	.14900	.03490
10.000	10.110	10.15000	.15490	.04890	.04340	.01740	-.17110	.01000	-.00680	.14940	.04440
	GRADIENT	1.00396	.01532	.00484	.00429	.00172	-.01692	.00099	-.00087	.01478	.00439

## REFERENCE DATA

SREF = 2.4210 36. FT. XMRP = 25.5420 IN.  
 LREF = 36.7390 IN. YMRP = .0000 IN.  
 BREF = 36.7390 IN. ZMRP = .0000 IN.  
 SCALE = .0000

MACH = .902 ELEVON = -20.000  
 RUDDER = .000 SPDBRK = .000

## PARAMETRIC DATA

RUN NO. 0/0 RV/L = 4.47 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	ALPHA	CN	CLM	CA	CAF	CY	CYN	CBL	CL	CD
-10.000	-9.900	-10.06000	-.92300	.10070	.11830	.07290	.20820	-.01240	-.01040	-.89610	.23300
-10.000	10.060	-10.06000	-.92070	.09940	.11510	.06820	-.22120	.01400	.01010	-.89460	.22610
	GRADIENT	-1.00000	-.09152	.00988	.01144	.00678	-.02199	.00139	.00100	-.08893	.02267

RUN NO. 0/0 RV/L = 4.50 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	ALPHA	CN	CLM	CA	CAF	CY	CYN	CBL	CL	CD
.000	-9.870	.01000	-.33310	.07090	.11910	.07660	.17190	-.01200	-.00130	-.33510	.07850
.000	10.000	.03000	-.33780	.07130	.11900	.07940	-.19010	.01240	.00110	-.33790	.07890
	GRADIENT	.00900	-.03376	.00713	.01190	.00794	-.01901	.00124	.00011	-.03379	.00789

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TABULATED FORCE DATA - 0A22A

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AMES 11-716 0A22A B26 C9 F8 M7 N26 VBR5 W116 E26

(RB2016) (09 APR 75)

REFERENCE DATA

REF = 2.4210 36. FT. XMRP = 25.5420 IN.  
 LREF = 36.7090 IN. YMRP = .0000 IN.  
 BREF = 36.7090 IN. ZMRP = .0000 IN.  
 SCALE = .0300

PARAMETRIC DATA

MACH = .902 ELEVON = -20.000  
 RUDDER = .000 SPOBRK = .000

RUN NO. 0/ 0 RV/L = 4.49 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CN	CLM	CA	CAF	CY	CYN	CBL	CL	CD
10.000	-9.880	.28820	.03310	.09280	.05470	.16880	-.00390	.01080	.27800	.10430
10.000	10.120	.29360	.03250	.09180	.05920	-.18490	.00470	-.01100	.27870	.11020
10.000	GRADIENT	.02903	.03321	.00917	.00563	-.01827	.00046	-.00109	.02754	.01089



TABULATED PRESSURE DATA

~~SECRET~~

DATE 09 APR 73

TABULATED PRESSURE DATA - 0A22A

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ORB. FUSELAGE

(RB2801) ( 08 NOV 73 )

## REFERENCE DATA

REF = 5.4210 30. FT. XREF = 29.5800 INCHES  
 LREF = 30.7090 INCHES YREF = .0000 INCHES  
 BREF = 30.7090 INCHES ZREF = .0000 INCHES  
 SCALE = .0000 SCALE

MACH ( 1 ) = .997 ALPHA ( 1 ) = -14.480

## SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	0.000	.0060	.0230	.0470	.0700	.1120	.1590	.1670	.1760	.2050	.2520	.3010	.3790	.4990	.5760
W1															
.000	.8408	-.4363	-.5752	-.4422	-.4092	-.3323		-.2156		-.1603	-.1175	-.0877	-.1143	-.1863	-.2524
20.000		-.5996	-.4756	-.4242	-.3365			-.3075		-.2033					
40.000		-.3263	-.6070	-.5964	-.5197			-.5678		-.4203	-.3554	-.2702	-.3332	-.4114	-.4306
55.000		-.3474	-.4922	-.5704	-.5790			-.5441		-.4376					
70.000		-.0457	-.2176	-.2582	-.2905			-.3538		-.3740	-.2717	-.0602	.0868	.1772	
90.000	-.3023	.1226	-.0903	-.2447	-.3053			-.3900		-.4494	-.3210	-.1235	.0173	.1348	
120.000		.4061	.1991	.1049	.0750			-.2110		-.3725	-.3255	-.4251	-.1659	-.0525	
140.000										-.2094					
150.000			.6691	.5696	.4741	.4245			.1292	-.2429	-.1043	-.0230	.0398	.1037	
151.000								.4548							
156.000									.2850						
158.000										-.5294	-.0392	.0100	.0603	.1185	
159.000															
163.000															
174.000															
180.000	.8408	.9974	.7738	.6505	.5788	.5478	.7933	.6616		-.7479	-.0369	.0365	.0846	.1386	
X/LB	.6330	.7300	.7810	.8230	.8620	.9230	.9630	1.0020	1.0210	1.0480					
W1															
.000	-.2793	-.2431	-.2792	-.3185	-.2914	-.3191	-.2658								
40.000	-.4594	-.5108	-.2747	-.2921	-.2792	-.2776	-.2196			-.0928	-.1536				
70.000	.1927	.0776	.0929	.1577	.0392	.0151	-.0343			-.0871	-.1482				
90.000	.1650	.0977	.0356	.0684	-.0107	-.0368	-.1034								
105.000		.1117	.0305	-.0302	-.0799	-.1142									
110.000															
120.000	.1286	.1388	.0391	-.2407	-.1474	-.1490	-.1685								
135.000		.6790	.0607	-.1471	-.1547	-.2042									
150.000	.1818	.2546	.4380	.3539	-.0285	-.0948	-.2196								
155.000	.1944		.4050		.0421	-.1022	-.2235								
160.000	.1899	.2549	.3847												

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 100-1041-10 PAGE 01

DATE 08 APR 75 TABULATED PRESSURE DATA - QAZZA

ORIG. FUSELAGE (R82801)

MACH (1) = .996 ALPHA (2) = -9.840

## SECTION 11 ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/L	.0000	.0080	.0200	.0470	.0700	.1120	.1590	.1870	.1700	.2030	.2320	.3010	.3790	.4990	.5760
PMI															
.000	.9732	-.1781	-.4113	-.3326	-.3431	-.2935		-.1958		-.1593	-.1135	-.0830	-.0937	-.1334	-.1787
20.000			-.4183	-.3550	-.3326	-.3035		-.2728		-.1725		-.2531	-.2061	-.1764	-.2188
40.000			-.3070	-.4325	-.4157	-.3862		-.4529		-.3407					
55.000			-.1165	-.2846	-.3535	-.3705		-.3809		-.3261					
70.000			.0909	-.0890	-.1672	-.1913		-.2652		-.3207	-.2523	-.0616	.0524	.1210	
90.000	.3906		.2049	-.0023	-.1133	-.1928		-.3100		-.3937	-.2952	-.1136	.0049	.0882	
120.000		.4147	.2249	.1359	.1126		-.1572			-.3688	-.3159	-.3416	-.0770	-.0117	
140.000										-.2727					
150.000			.5873	.4994	.4032	.3606		.4224	.0734	-.3451	-.1848	-.0729	-.0001	.0532	
151.000															
156.000									.1913		-.1235	-.0511	.0144	.0645	
162.000															
165.000								.6761							
169.000															
174.000	.9732	.9031	.6512	.5570	.4868	.4551	.7628	.6094		-.9788	-.1203	-.0327	.0242	.0741	
180.000		.6330	.7300	.8230	.8820	.9200	.9630	1.0000	1.0210	1.0480					

PMI

.000	-.2049	-.2251	-.2513	-.2894	-.2695	-.2925	-.2476			-.0716	-.1427				
40.000	-.3334	-.2814	-.2602	-.3112	-.2936	-.2594	-.1955			-.0670	-.1403				
70.000	.1320	.0709	.0235	.0907	.0783	.0374	-.0742								
90.000	.1061	.0593	.0431	.0542	-.0236	-.0369	-.1072								
105.000		.3754	-.0004	-.0563	-.1123	-.1210									
110.000							-.1827								
120.000	.0911	.1050	.0439	-.2456	-.1567	-.1496	-.1638								
135.000		.6375	.0542	-.1523	-.1484	-.1942									
150.000	.1265	.1351	.4399	.2045	-.0835	-.1347	-.2347								
155.000	.1274	.1259		-.0142	-.1439	-.2123									
160.000	.1174	.1951	.3215	.5792											

MACH (1) = .996 ALPHA (2) = -4.850

## SECTION 11 ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/L	.0000	.0080	.0200	.0470	.0700	.1120	.1590	.1870	.1700	.2030	.2320	.3010	.3790	.4990	.5760
PMI															
.000	.9732	-.1781	-.4113	-.3326	-.3431	-.2935		-.1958		-.1593	-.1135	-.0830	-.0937	-.1334	-.1787
20.000			-.4183	-.3550	-.3326	-.3035		-.2728		-.1725		-.2531	-.2061	-.1764	-.2188
40.000			-.3070	-.4325	-.4157	-.3862		-.4529		-.3407					
55.000			-.1165	-.2846	-.3535	-.3705		-.3809		-.3261					
70.000			.0909	-.0890	-.1672	-.1913		-.2652		-.3207	-.2523	-.0616	.0524	.1210	
90.000	.3906		.2049	-.0023	-.1133	-.1928		-.3100		-.3937	-.2952	-.1136	.0049	.0882	
120.000		.4147	.2249	.1359	.1126		-.1572			-.3688	-.3159	-.3416	-.0770	-.0117	
140.000										-.2727					
150.000			.5873	.4994	.4032	.3606		.4224	.0734	-.3451	-.1848	-.0729	-.0001	.0532	
151.000															
156.000									.1913		-.1235	-.0511	.0144	.0645	
162.000															
165.000								.6761							
169.000															
174.000	.9732	.9031	.6512	.5570	.4868	.4551	.7628	.6094		-.9788	-.1203	-.0327	.0242	.0741	
180.000		.6330	.7300	.8230	.8820	.9200	.9630	1.0000	1.0210	1.0480					

PMI

.000	-.2049	-.2251	-.2513	-.2894	-.2695	-.2925	-.2476			-.0716	-.1427				
40.000	-.3334	-.2814	-.2602	-.3112	-.2936	-.2594	-.1955			-.0670	-.1403				
70.000	.1320	.0709	.0235	.0907	.0783	.0374	-.0742								
90.000	.1061	.0593	.0431	.0542	-.0236	-.0369	-.1072								
105.000		.3754	-.0004	-.0563	-.1123	-.1210									
110.000							-.1827								
120.000	.0911	.1050	.0439	-.2456	-.1567	-.1496	-.1638								
135.000		.6375	.0542	-.1523	-.1484	-.1942									
150.000	.1265	.1351	.4399	.2045	-.0835	-.1347	-.2347								
155.000	.1274	.1259		-.0142	-.1439	-.2123									
160.000	.1174	.1951	.3215	.5792											



DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

ORB. FUSELAGE (R02001)

ARC11-716 0422 01

MACH (1) = .596 ALPHA (3) = -4.850

SECTION (1) ORBITER FUSELAGE DEFICIENT VARIABLE CP

W/L	.0000	.0060	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
120.000			.3965	.2046	.1343	.1193		-.1162		-.3508	-.3378	-.2841	-.0437	.0034	
140.000									-.3514						
150.000			.4796	.3009	.2963	.2743				-.4522	-.2667	-.1139	-.0293	.0136	
151.000									.0087						
156.000								.3016							
162.000									.0941						
165.000								.5295		-.9324	-.1921	-.0962	-.0279	.0121	
169.000							.6930								
174.000								.5189		-1.2070	-.1626	-.0804	-.0204	.0207	
180.000	1.0580	.9721	.5108	.4120	.3533	.3468									
W/L	.6330	.7500	.7810	.8230	.8620	.9230	.9630	1.0020	1.0210	1.0480					

PMI

.000	-.1217	-.1506	-.1960	-.2416	-.2391	-.2575	-.2248								
40.000	-.1961	-.1766	-.1963	-.2428	-.2331	-.2339	-.1700		-.0736	-.1321					
70.000	-.0114	-.0617	-.0244	.0684	.0384	.0107	-.0682		-.0757	-.1378					
90.000	.0221	-.0588	.0060	.0333	.0363	.0491	-.1110								
100.000		.0438	-.0428	-.0445	-.1194	-.1278									
110.000							-.1862								
120.000	.0409	.0734	.0694	-.1885	-.1482	-.1362	-.1463								
130.000		.5678	.0240	-.1529	-.1369	-.1799									
150.000	.0661	.1488	.3724	.2255	-.1355	-.2344									
160.000	.0661		.2884		-.0578	-.1787	-.1927								
180.000	.0588	.1440	.2677	.5070											

MACH (1) = .597 ALPHA (4) = .080

SECTION (1) ORBITER FUSELAGE DEFICIENT VARIABLE CP

W/L	.0000	.0060	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
.000		.3248	-.0529	-.1021	-.1558	-.1612		-.1204		-.0954	-.0752	-.0365	-.0411	-.0397	-.0493
20.000		-.0238	-.0804	-.1207	-.1481			-.1829		-.0990					
40.000		.0887	-.0535	-.1041	-.1142			-.2123		-.1428	-.1232	-.0810	-.0712	-.0172	-.0014
50.000		.2015	.0374	.0361	-.0757			-.1537		-.1638					
70.000		.2671	.0872	-.0381	-.0482			-.1416		-.2436	-.2415	-.1063	-.0293	-.0045	
90.000	.4317	.2932	.1198	.0362	-.0464			-.1805		-.3154	-.2546	-.1243	-.0308	-.0039	
120.000		.5479	.1598	.1184	.1088			-.0870		-.3582	-.3194	-.2719	-.0446	-.0178	
140.000										-.4237					
150.000		.3547	.2758	.1961	.1920				-.0337	-.5675	-.3328	-.1482	-.0343	-.0178	
151.000								.3438							
156.000									.0033						
162.000															

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ORB. FUSELAGE (IRB2001)

MACH (1) = .597 ALPHA (4) = .060

## SECTION (1) ORBITER FUSELAGE

## DEPENDENT VARIABLE CP

X/Y 0 .0000 .0000 .0200 .0400 .0700 .1100 .1500 .1670 .1780 .2050 .2520 .3010 .3790 .4990 .5760

PMI

165.000 .4617 -1.1250 -2.466 -1.1353 -0.0363 -0.0202

23.000

169.000 .6314 .4325 -1.4370 -2.401 -1.1170 -0.0471 -0.0146

43.000

174.000 1.0990 .6112 .3503 .2661 .2400 .2471

55.000

180.000 .6530 .7330 .7610 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480

PMI

.000 -0.0564 -0.0827 -0.1455 -0.2045 -0.2151 -0.2556 -0.2196

23.000

49.000 -0.0893 -0.0928 -0.1368 -0.2036 -0.2154 -0.2176 -0.1726

43.000

73.000 -0.1383 -0.1437 -0.0805 .3375 -0.3301 -0.175 -0.0702

55.000

93.000 -0.0656 -0.0812 -0.0383 .0092 -0.0576 -0.0638 -0.1135

73.000

135.000 .0249 -0.0591 -0.0394 -0.1303 -0.1297

113.000

133.000 .0228 .0359 .0898 -0.1600 -0.1320 -0.1315 -0.1427 -0.1558

135.000

155.000 .0134 .0153 .2957 .1532 -0.1653 -0.1745 -0.2307

175.000

180.000 .0137 .0348 .2289 -0.1338 -0.1370 -0.1029

MACH (1) = .596 ALPHA (5) = 5.030

## SECTION (1) ORBITER FUSELAGE

## DEPENDENT VARIABLE CP

X/Y 0 .0000 .0000 .0200 .0400 .0700 .1100 .1500 .1670 .1780 .2050 .2520 .3010 .3790 .4990 .5760

PMI

.000 1.0610 .5434 .1332 .0321 -0.0416 -0.0784

23.000

43.000 .1702 .0559 -0.0353 -0.0570

55.000

55.000 .2446 .0933 .0211 -0.0234

73.000

73.000 .2837 .1218 .0370 -0.0114

93.000

93.000 .2911 .1162 .0252 -0.0218

113.000

113.000 .3922 .2620 .1054 -0.0108 -0.0069

135.000

135.000 .2647 .0817 .0517 .0761

143.000

143.000 .2180 .1417 .0884 .1175

151.000

151.000 .3094

156.000

156.000 .3973

162.000

162.000 .3561

169.000

169.000 .3754

174.000

174.000 1.0610 .4186 .1960 .1539 .1202 .1581

180.000

180.000 .6330 .7330 .7610 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480





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0422B001)

0422B. FUSELAGE

ARC11-716 0422 01

MACH (1) = .356 ALPHA (2) = 5.390

SECTION (1) ORBITER FUSELAGE DEPENDENT VARIABLE CP

W/LB .6530 .7500 .7610 .8230 .8623 .9230 .9630 1.0020 1.0210 1.0480

PMI  
.000 .0235 -.0253 -.0783 -.1461 -.1783 -.2355 -.2064 -.0559 -.1286  
43.000 .0183 -.0589 -.0676 -.1416 -.1801 -.2043 -.1615 -.0502 -.1265  
73.000 -.2843 -.2188 -.1315 .0354 -.0314 -.0165 -.0557  
93.000 -.2353 -.1605 -.0772 .0030 -.0623 -.0580 -.1155  
123.000 .0261 -.0725 -.1093 -.1323 -.1358  
133.000  
153.000 -.1036 -.0089 .0677 .0749 -.1596 -.1284 -.1316  
163.000 .3637 .0338 .1772 .1377 .1751  
193.000 -.0368 .0560 .2226 .0476 -.1900 -.1850 -.2109  
203.000 -.0285 .1714  
213.000 -.0283 .0312 .1591 .3492

MACH (1) = .386 ALPHA (2) = 10.100

SECTION (1) ORBITER FUSELAGE DEPENDENT VARIABLE CP

W/LB .0000 .0000 .0230 .0470 .0470 .0700 .1120 .1590 .1670 .1781 .2030 .2520 .3010 .3790 .4590 .5780

PMI  
.000 1.0110 .7423 .3244 .1793 .0686 .0265 .0232 .0301 .0365 .0619 .0624 .0436 .0973  
23.000 .3512 .2009 .1176 .0522 .0319 .0280  
43.000 .3642 .2157 .1362 .0769 .0337 .0187 .0577 .0106 .0241 .0967 .1709  
53.000 .3112 .1576 .0626 .0318 .1175  
73.000 .2657 .1184 .0223 .0036 .1039  
93.000 .2112 .0928 .0376 .0161 .1423  
123.000 .1437 .0299 .0197 .0238 .0970  
133.000  
153.000 .0692 .0196 .0146 .0429  
163.000 .2734  
193.000  
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PMI  
.000 .0602 .0025 -.0023 -.1231 -.2027 -.1826  
43.000 .1196 .0037 .0180 .0714 .1481 .1638 .1440  
73.000 .4587 .3328 .1839 .0110 .0489 .0175 .0586  
93.000 .3223 .2371 .1177 .0181 .0748 .0718 .1067  
123.000  
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993.000

## ORB. FUSELAGE (N02801)

ARC11-716 0A22 01

MACH (1) = .598 ALPHA (6) = 10.100

## SECTION (1) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB .6530 .7500 .7810 .8230 .8620 .9230 .9630 1.0020 1.0210 1.0480

PHI

120.000 -.1827 -.0519 .0323 -.0887 -.1612 -.1345 -.1403 -.1560  
 135.000 .3209 -.0875 -.1929 -.1323 -.1747  
 150.000 -.1017 -.0095 .2016 .0490 .2380 .2048 -.2264  
 165.000 -.0738 .1398 -.1451 -.2342 -.1928  
 180.000 -.0617 .0168 .1309 .4132

MACH (1) = .599 ALPHA (7) = 14.590

## SECTION (1) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB .0000 .0080 .0230 .0470 .0700 .1120 .1590 .1670 .1780 .2050 .2520 .3010 .3790 .4990 .5760

PHI

.000 .9004 .8839 .4818 .3156 .2083 .1304 .1105 .1087 .1367 .1365 .1647 .1765  
 20.000 .4989 .3300 .2377 .1469 .0484  
 40.000 .4421 .2992 .2142 .1363 .0180 .0119 .0627 .0011 .0524 .1635 .2417  
 55.000 .2971 .1315 .0404 .0490 .1592  
 70.000 .2094 .0809 .0315 .0334 .1119  
 90.000 .1956 .1258 .0318 .0583 .0485 .1503  
 105.000 .0351 .1148 .1215 .0573 .1252  
 140.000 .0654 .0810 .1081 .0213 .1833  
 150.000 .2393  
 155.000 .2045  
 162.000 .2922  
 165.000 .4609  
 169.000 .2922  
 174.000 .2247  
 180.000 .2043  
 .16220 .3317 .1741 .0931 .1005  
 .20430 .2936 .1410 .0732 .0721

X/LB .6530 .7500 .7810 .8230 .8620 .9230 .9630 1.0020 1.0210 1.0480

PHI

.000 .1974 .1303 .0655 -.0152 -.0746 -.1624 -.1596  
 40.000 .2106 .1684 .0943 -.0143 .1198 .1467 .1265  
 70.000 .1597 .1457 .1283 .0829 .1204 .0864 .1012  
 90.000 .1451 .1328 .1285 .1109 .1390 .1118 .1324  
 105.000 .1098 .1643 .1692 .1675 .1593  
 110.000 .2179  
 120.000 .2399 .1343 .0002 .1643 .1952 .1616 .1599  
 135.000 .3041 .1844 .2206 .1908 .2111  
 150.000 .2003 .0657 .1887 .0799 .2549 .2159 .2566  
 165.000 .1035 .1299 .1751 .2504 .2131  
 180.000 .0849 .0069 .1127 .4360



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ORB. FUSELAGE

(R82801)

MACH ( 2 ) = .902 ALPHA ( 1 ) = -14.570

## SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0200	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PHI	1.0240	-.1759	-.4574	-.4766	-.3672	-.3911		-.3553		-.2669	-.0650	-.0067	-.0446	-.0660	-.1096
20.000		-.4576	-.4890	-.3775	-.4027			-.4532		-.3458					
40.000		-.3331	-.6028	-.6078	-.5771			-.7575		-.6188	-.4887	-.2728	-.1946	-.1561	-.2032
55.000		-.1288	-.3947	-.4718	-.5924			-.6107		-.5631					
70.000		-.1401	-.0991	-.1787	-.2307			-.3845		-.4548	-.3886	.0142	.1348	.2288	
90.000		-.4884	-.2884	-.0535	-.1304	-.2210		-.4023		-.5328	-.7322	-.0676	.0733	.1706	
120.000			-.5521	.3201	.2233	.2029		-.0930		-.3119	-.4111	-.4704	-.1158	.0232	
140.000										-.0880					
150.000			.7743	.6741	.5700	.5223			.2807	-.5558	-.1199	-.0992	.0634	.1413	
151.000								.5986							
156.000									.4239	-.6250	-.0179	-.0600	.0838	.1565	
162.000															
165.000								.7885							
169.000															
174.000										-.9222					
180.000	1.0240	1.1010	.8645	.7434	.6686	.6327		.8031		-.7902	.0038	-.0282	.0958	.1764	
X/LB	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					

PHI

.0000 -2597 -4784 -5905 -6543 -4747 -5844 -6527  
40.000 -4767 -6102 -6215 -4236 -6964 -6158 -5592  
70.000 -2782 -1838 -1351 -1797 -0106 -0010 -1098  
90.000 -2458 -1884 -1237 -1154 -0029 -0304 -1351  
105.000 -1928 -0587 -0323 -0082 -1523  
110.000 -2230 -2424 -1260 -2215 -1271 -1494 -2124  
120.000 -2230 -2424 -1260 -2215 -1271 -1494 -2124  
135.000 -2473 -3291 -5932 -4803 -0015 -0528 -2903  
150.000 -2362 -5001 -0894 -0320 -3358  
180.000 -2597 -3355 -4777 -6667

MACH ( 2 ) = .899 ALPHA ( 2 ) = -9.730

## SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0200	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PHI	1.1240	.0369	-.3090	-.2981	-.3673	-.3058		-.2587		-.2840	-.1248	-.0352	-.0420	-.0393	-.0749
20.000		-.2895	-.3038	-.3565	-.3038			-.3452		-.3214					
40.000		-.1439	-.3415	-.4050	-.4152			-.5898		-.5301	-.2382	-.1460	-.1132	-.0691	-.0837
55.000		-.0435	-.1921	-.2935	-.3669			-.4575		-.4952					
70.000		-.2354	-.0005	-.0821	-.1344			-.2837		-.4599	-.7312	-.0155	.0836	.1515	
90.000			-.5332	.3434	.1164	-.0339	-.1165	-.3027		-.5377	-.7656	-.0590	.0479	.1246	

MACH ( 2 ) = .899 ALPHA ( 2 ) = -9.730

ARC11-716 0A22 01

ORB. FUSELAGE

(RB2801)

## SECTION ( 1 ) ORBITER FUSELAGE

## DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0250	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
120.000			.5330	.3194	.2291	.2081		-.0474		-.4053	-.7022	-.3368	-.0471	.0381	
140.000										-.2742					
160.000			.6771	.5707	.4673	.4360				-.7019	-.6449	-.0792	.0264	.0829	
180.000															
151.000								.5697							
162.000															
165.000															
169.000															
174.000								.7375							
180.000	1.1240	.9974	.7363	.6171	.5467	.5278	.8731								
X/LB	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					

PMI

.000	-.2108	-.3886	-.4440	-.4809	-.5109	-.5385	-.3755								
40.000	-.3401	-.4428	-.4314	-.4615	-.5124	-.6110	-.2638	-.0423	-.1264						
70.000	-.1701	.0757	.0442	.0946	-.0527	-.0450	-.1138	-.0885	-.1660						
90.000	.1699	.1152	.0704	.0445	-.0570	-.0699	-.1426								
105.000		.1262	-.0401	-.1108	-.1385	-.1754									
110.000															
120.000	.1548	.1801	.1423	-.2278	-.1793	-.1802	-.2227	-.2561							
135.000			.7009	.1467	-.1704	-.1787	-.2780	-.2513							
150.000	.1705	.2377	.5210	.3893	-.0962	-.1176	-.3100								
155.000	.1701	.4284		-.0110	-.1052	-.2958									
180.000	.1770	.2582	.4027	.6098											

MACH ( 2 ) = .901 ALPHA ( 3 ) = -5.010

## SECTION ( 1 ) ORBITER FUSELAGE

## DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
.000	1.1920	.2546	-.1423	-.1840	-.2509	-.2516		-.2323		-.2484	-.1685	-.0559	-.0452	-.0307	-.0508
20.000			-.1106	-.1728	-.2334	-.2396		-.3088		-.2662					
40.000			.0280	-.1764	-.2414	-.2442		-.4021		-.3914	-.3863	-.1028	-.0745	-.0208	-.0168
55.000			.1851	-.0236	-.1369	-.1865		-.2969		-.3562					
70.000			.3163	.0933	-.0058	-.0547		-.2044		-.3645	-.8130	-.0392	.0471	.0838	
90.000	.5511	.2760	.1643	.0017	-.0444		-.2209	-.2209		-.4474	-.7285	-.0835	.0264	.0755	
120.000		.4968	.2919	.2077	-.2073		-.0043			-.4491	-.6946	-.1968	.0003	.0330	
140.000										-.4697					
150.000		.5721	.4691	.3742	.3637					-.7833	-.8387	-.0494	.0130	.0374	
160.000															
180.000															
162.000															



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

ORB. FUSELAGE (R82801)

ARC11-716 0A22 01

MACH ( 2 ) = .901 ALPHA ( 3 ) = -5.010

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
165.000								.6910							
169.000							.8313								
174.000								.6791							
180.000	1.1920	.8734	.5970	.4936	.4293	.4350									
X/LB	.8530	.7500	.7610	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					

-.0346 -.7126 -.0256 .0130 .0362

-.9716 -.6744 -.0102 .0132 .0546

-.0298 -.1129

-.0674 -.1321

-.2118

-.1938

MACH ( 2 ) = .902 ALPHA ( 4 ) = .080

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
20.000	1.2190	.4724	.0397	-.0516	-.1379	-.1696									
40.000			.0780	-.0229	-.0999	-.1441									
55.000			.1934	.0124	-.0749	-.0989									
70.000			.3009	.1053	.0071	-.0468									
90.000			.3688	.1578	.0429	.0087									
120.000			.3861	.1949	.0376	.0300									
140.000			.4413	.2410	.1811	.1977									
150.000			.4413	.3416	.2552	.2843									
151.000															
156.000															
162.000															
165.000															
169.000															
174.000															
180.000	1.2190	.7163	.4402	.3563	.3083	.3372									
X/LB	.6930	.7530	.7610	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					

-.1648 -.1871 -.0604 -.0366 -.0062 -.0006

-.1674 -.1674 -.0887 -.0324 .0185 .0567

-.2359 -.2537 -.1708 -.2823 -.0035 -.0265

-.3553 -.7135 -.1298 -.0035 .0288

-.4290 -.6986 -.2484 .0153 .0098

-.5353 -.8663 -.9639 -.1929 .0201 .0106

.1734

.5248

.2553

-.9162 -.8598 -.1106 .0199 .0071

-.9392 -.8793 -.0923 .0197 .0175

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(RB2801)

ORB. FUSELAGE

ARC11-716 0A22 01

MACH ( 2 ) = .902 ALPHA ( 4 ) = .000

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB .6330 .7500 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480

PHI

.000 -.0332 -.0768 -.1496 -.2603 -.3813 -.4930 -.5679  
 40.000 -.0743 -.1592 -.2614 -.3665 -.5007 -.6214  
 70.000 -.1260 -.2210 -.3341 -.4197 -.5336 -.6275 -.7081  
 90.000 -.0806 -.1353 -.2032 -.2732 -.3591 -.4173 -.4758  
 105.000 .0139 -.1438 -.2474 -.3198 -.4134  
 110.000  
 120.000 -.0264 .0164 .1267 .1756 .2691 .3404 .4132  
 135.000 .0305 .0512 .0835 .1248 .1701 .2090  
 150.000 .0105 .0360 .0554 .0870 .1238 .1693  
 165.000 .0105 .0201 .0354 .0544 .0781 .1030  
 180.000 .0113 .0366 .0555 .0844

MACH ( 2 ) = .903 ALPHA ( 5 ) = 5.073

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB .0000 .0080 .0230 .0470 .0790 .1120 .1590 .1670 .1780 .2050 .2520 .3010 .3790 .4990 .5760

PHI

.000 1.2030 .6719 .2256 .0946 -.0016 -.0632  
 20.000 .2650 .1214 .0366 -.0340  
 40.000 .3365 .1606 .0657 .0168  
 55.000 .3739 .1837 .0749 .0324  
 70.000 .3880 .1951 .0757 .0499  
 90.000 .3034 .3473 .1826 .0479 .0549  
 120.000 .3575 .1430 .1218 .1730  
 140.000 .3071 .2136 .1525 .2180  
 150.000  
 151.000 .5106  
 156.000 .2202  
 162.000 .6032  
 163.000 .7319  
 169.000 .5668  
 174.000  
 180.000 1.2030 .5556 .2811 .2354 .1981 .2495 .7319 .9630 .9230 .8820 .8230 .7810 .7500 .6330

PHI

.000 .0716 .0168 -.0563 -.1742 -.3043 -.4126 -.5574  
 40.000 .0566 .0331 -.0414 -.1652 -.3004 -.4398 -.5976  
 70.000 .2617 .4668 .2928 .0562 -.1184 -.0230 -.0636  
 90.000 .1999 .3646 .2040 .1118 .1871 .0659 .1036  
 105.000 .0812 .2156 .2181 .1117 .1333  
 110.000 .1961



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(R82801)

ORB. FUSELAGE

ARC11-716 0A22 01

MACH ( 2 ) = .903 ALPHA ( 5 ) = 5.070

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB .6530 .7300 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480

CM

120.000 -.1406 -.1174 -.0016 -.1854 -.3429 -.1081 -.1415 -.1644  
135.000 .3726 .0024 -.3788 -.1423 -.1838  
150.000 -.0802 -.0067 .1132 -.3851 -.2038 -.2425  
165.000 -.0619 .1778 -.2482 -.2353 -.1856  
180.000 -.0630 .0103 .1606 .3923

MACH ( 2 ) = .904 ALPHA ( 6 ) = 10.140

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB .0000 .0060 .0230 .0470 .0700 .1120 .1590 .1670 .1780 .2050 .2520 .3010 .3790 .4990 .5760

CM

.000 1.1440 .8527 .4108 .2445 .1332 .0487 .0297 .0146 -.0159 .0293 .0551 .1111 .1530  
20.000 .4386 .2708 .1634 .0776 -.0303 .0080  
40.000 .4545 .2810 .1886 .1034 -.0142 -.0168 -.1288 -.0695 .0085 .1274 .2241  
55.000 .4078 .2322 .1218 .0527 -.0549 -.0937  
70.000 .3669 .1938 .0610 .0575 -.0303 -.1561 -.5873 -.2146 -.1866 -.0735  
90.000 .4223 .3096 .1675 .0445 .0519 -.2247 -.6704 -.2122 -.1844 -.0616  
120.000 .2489 .0484 .0380 .1223 -.3594 -.6980 -.4133 -.2842 -.1150  
140.000 .1628 .0982 .0511 .1495 -.5072  
150.000 .1620 .0982 .0511 .1495 -.7937 -.5697 -.5476 -.2170 -.0153  
160.000 .151.000 .4958  
170.000 .1893  
180.000 .1893  
190.000 .5705  
200.000 .6934  
210.000 .5222  
220.000 .9222  
230.000 .9230 .9630 1.0020 1.0210 1.0480

CM

.000 .1772 .1185 .0403 -.0763 -.1765 -.3601 -.5235  
40.000 .1832 .1406 .0633 -.0610 .2240 .3713 .5105  
60.000 .3709 .6712 .5287 .0548 .1985 .1453 .1322  
80.000 .3006 .5316 .3410 .1141 .2382 .1809 .1616  
100.000 .1906 .2904 .2866 .2320 .1960  
120.000 .2384 .2464 .1405 .1252 .3052 .2118 .1971  
135.000 .2387 .0614 .2915 .2101 .2204  
150.000 .1567 .1375 .1451 .0515 .3458 .2555 .2579  
165.000 .1235 .0858 .2240 .2469 .2023  
180.000 .1141 .3023 .0587 .3248

## ORB. FUSELAGE (RB2801)

ARC11-716 OA22 O1

MACH (2) = .903 ALPHA (7) = 14.600

## SECTION (1) ORBITER FUSELAGE

## DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0200	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4590	.5760
PHI															
.000	1.0510	.9856	.5682	.3825	.2605	.1639		.1310		.1102	.0938	.1168	.1333	.1899	.2278
20.000		.5831	.3980	.2840	.1827			.0648		.1053					
40.000		.5396	.3636	.2775	.1783			.0372		.0454	-.0653	-.0233	.0585	.1920	.2957
55.000			.4090	.2197	.1122	.0251		-.0869		-.0876					
70.000		.3216	.1684	.0461	.0420			-.0167		-.1316	-.5185	-.3130	-.2891	-.1960	
90.000	.3319	.2332	.1200	-.0091	.0425			-.0253		-.1915	-.6081	-.2600	-.3197	-.1265	
120.000		.1367	-.0719	-.0570	.0586			.0924		-.3409	-.7258	-.5106	-.4363	-.1715	
140.000										-.4958					
150.000		.0301	-.0047	-.0447	.1005				.1411	-.6461	-.5353	-.5708	-.2908	-.0807	
151.000															
155.000								.4766							
162.000									.1630						
165.000								.5398		-.6833	-.5525	-.5780	-.2912	-.0169	
169.000							.6268								
174.000		.1425	-.0144	.0079	.0062	.1256		.4878		-.5920	-.5427	-.5776	-.2910	.0134	
180.000	1.0510	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					
X/LB															
PHI															
.000	.2630	.2102	.1237	.0030	-.1149	-.3028	-.4529			-.0556	-.1017				
40.000	.2753	.2333	.1485	.0244	-.1934	-.3081	-.4551			-.0351	-.1238				
70.000	.5610	-.0036	-.2326	-.2134	-.5238	-.5310	-.2476								
90.000	-.4108	-.6760	-.2234	-.2469	-.4823	-.5096	-.2346								
105.000		-.1053	-.2267	-.4787	-.5551	-.2480									
110.000								-.2819							
120.000	-.2840	-.2390	-.0471	-.0405	-.4911	-.4752	-.3865								
125.000		.2148	-.0968	-.4336	-.3956	-.3182									
130.000	-.2618	-.1901	.1155	.0422	-.4321	-.4262	-.3373								
150.000	-.1728	.0754			-.3152	-.3337	-.2377								
160.000	-.1432	-.0894	.0658	.3528											





DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(882805) ( 08 NOV 73 )

ORB. FUSELAGE

ARC11-716 0A22 01

PARAMETRIC DATA

BETA = .000 ELEVON = -20.000  
RUDDER = .000 SPDRK = .000

REFERENCE DATA

SMCF = 2.4210 SA.FT. XMRP = 29.5000 INCHES  
LRCF = 38.7390 INCHES YMRP = .0000 INCHES  
BRCF = 38.7390 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

WGM ( 1 ) = .598 ALPHA ( 1 ) = -14.440

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/UB	.0000	.0080	.0200	.0400	.0700	.1100	.1500	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
CM	.0307	-.4417	-.5837	-.4489	-.4223	-.3292	-.2242	-.2242	-.1677	-.1277	-.0899	-.1213	-.2014	-.2974	
25.000		-.5926	-.4742	-.4381	-.3592	-.3221	-.3221	-.3221	-.4229	-.3491	-.2734	-.3477	-.4329	-.4861	
40.000		-.5259	-.6038	-.6083	-.5352	-.5839	-.5839	-.5839	-.4420	-.3564	-.2679	-.0558	.1017	.2041	
55.000		-.3367	-.5028	-.5771	-.5317	-.3275	-.3275	-.3275	-.4443	-.3174	-.1130	.0329	.1617		
70.000		-.3421	-.2230	-.2671	-.2838	-.3944	-.3944	-.3944	-.3808	-.3139	-.4207	-.1641	-.0352		
90.000	.3042	-.1140	-.0844	-.2367	-.3043	-.2052	-.2052	-.2052	-.2021	-.0987	-.0132	.0620	.1280		
120.000		.4083	.2010	.1068	.0772										
140.000		.6775	.5797	.4793	.4312			.1443							
150.000						.4654			.2922						
160.000							.6694			-.5284	-.0286	.0224	.0873	.1454	
174.000															
180.000	.8387	1.0000	.7776	.6619	.5904	.5477	.8022	.6890		-.7589	-.0180	.0475	.1012	.1618	
X/UB	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					
CM	-.3557	-.3643	-.3938	-.4578	-.4414	-.4670	-.3771		-.1443	-.1513					
40.000		-.5565	-.5926	-.5834	-.4407	-.4372	-.3644		-.1437	-.1596					
70.000		.2530	.2340	.2622	.3606	.3490	.2638	.0178							
90.000		.2157	.1910	.1918	.2423	.2047	.1254	-.0388							
135.000			.2548	.2432	.1368	.1230	-.0200								
150.000								-.1363							
160.000	.1785	.2337	.1751	-.0224	.0716	.0574	-.0180								
170.000		.7036	.1741	-.0147	-.0200	-.0360									
180.000	.2181	.3074	.5324	.4327	.3243	-.1756									
190.000	.2254	.2379	.0319	-.0486	-.1709										
200.000	.2335	.3056	.6705												

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MACH ( 1 ) = .596 ALPHA ( 2 ) = -9.980

ARC11-716 0A22 01

ORB. FUSELAGE

(RB2803)

## SECTION ( 1 ) ORBITER FUSELAGE

DEPENDENT VARIABLE CP

X/L 0 .0500 .0580 .0230 .0470 .0700 .1120 .1590 .1670 .1780 .2050 .2520 .3010 .3790 .4990 .5760

CMI

.000 .9716 -.1816 -.4242 -.3525 -.3539 -.2981 -.2011 -.1613 -.1191 -.0840 -.0957 -.1441 -.2129  
 20.000 .4112 -.3584 -.3539 -.3087 -.2822  
 40.000 -.2985 -.4430 -.4293 -.3685 -.4511  
 55.000 -.1111 -.2776 -.3446 -.3775 -.3913  
 70.000 .0345 -.0889 -.1608 -.1856 -.2556  
 90.000 .3871 .2066 -.0156 -.1146 -.1844  
 120.000 .4151 .2153 .1357 .1091  
 140.000 .5939 .4872 .3946 .3528  
 150.000  
 151.000  
 156.000  
 162.000  
 165.000  
 169.000  
 174.000  
 181.000

.0770

.4238

.1987

.6061

.6070

.7544

.4522

.9630

1.0020

1.0210

1.0480

CMI

.000 -.2609 -.2878 -.3532 -.4210 -.4229 -.4338 -.3516  
 40.000 -.4385 -.3662 -.3864 -.4552 -.5327 -.4273 -.2953  
 70.000 .1634 .1437 .1960 .3018 .3068 .2354 .0061  
 90.000 .1640 .1667 .1915 .2446 .1954 .1143 -.0475  
 120.000 .2145 .2145 .1990 .1656 .0874 -.0383  
 130.000  
 131.000 .1361 .1887 .1903 -.0274 .0335 .0238 -.0411  
 133.000 .6023 .1466 -.0369 -.0339 -.1031  
 139.000 .1613 .2435 .4724 .3315 -.0259 -.0682 -.1827  
 155.000 .1616 .3823 .3823 .0337 -.0889 -.1491  
 180.000 .1629 .2458 .3537 .6019

-.1515

-.1141

-.1203

-.1135

-.1424

MACH ( 1 ) = .596 ALPHA ( 3 ) = -4.870

## SECTION ( 1 ) ORBITER FUSELAGE

DEPENDENT VARIABLE CP

X/L 0 .0500 .0580 .0230 .0470 .0700 .1120 .1590 .1670 .1780 .2050 .2520 .3010 .3790 .4990 .5760

CMI

.000 1.0610 .0794 -.2392 -.2381 -.2542 -.2328  
 20.000  
 40.000  
 55.000  
 70.000  
 90.000  
 120.000  
 140.000  
 150.000  
 151.000  
 156.000  
 162.000  
 165.000  
 169.000  
 174.000  
 181.000

-.1714

-.2363

-.1429

-.3294

-.2503

-.1875

-.2324

-.1714

-.2363

-.1429

-.3294

-.2503

-.1875

-.2324



DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

(RB2803)

ORB. FUSELAGE

ARC11-716 0422 01

MACH ( 1 ) = .386 ALPHA ( 3 ) = -4.870

DEPENDENT VARIABLE CP

SECTION ( 1 ) ORBITER FUSELAGE

X/LB .0000 .0080 .0230 .0470 .0730 .1120 .1590 .1670 .1780 .2030 .2320 .3010 .3790 .4990 .5760

PMI

123.000 .3967 .2109 .1399 .1109 -.1140 -.3590 -.3023 -.2831 -.0337 .0282  
 140.000 .3418  
 150.000 .4062 .3935 .3580 .2738 -.4586 -.2582 -.1095 -.0146 .0369  
 151.000 .0159  
 156.000 .3836  
 162.000 .1027  
 165.000 .5332  
 169.000 .6937  
 174.000 .5208  
 183.000 1.0610 .7739 .5135 .4284 .3664 .3473 .6937  
 X/LB .8530 .7300 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0490

PMI

.0000 -.1714 -.2172 -.2794 -.3585 -.3648 -.4038 -.3291  
 40.000 -.2428 -.2967 -.3686 -.4401 -.4207 -.3020  
 70.000 .0537 .0360 .1442 .2591 .2713 .1989 -.0155  
 90.000 .0775 .1011 .1530 .2136 .1765 .1055 -.0458  
 105.000 .1801 .1529 .1212 .0334 -.0602  
 110.000 .0658 .1489 .2106 .0014 .0136 -.0010 -.0633  
 120.000 .5916 .1006 -.0002 -.0495 -.1134  
 135.000 .1056 .1993 .4041 .2557 -.0765 -.1033 -.1877  
 150.000 .1056 .3197 -.0111 -.1289 -.1285  
 165.000 .1053 .1940 .3042 .5323  
 183.000 -.1210 -.1362  
 -.1291 -.1502  
 -.1627  
 -.1151

MACH ( 1 ) = .386 ALPHA ( 4 ) = -.010

DEPENDENT VARIABLE CP

SECTION ( 1 ) ORBITER FUSELAGE

X/LB .0000 .0080 .0230 .0470 .0730 .1120 .1590 .1670 .1780 .2030 .2520 .3010 .3790 .4990 .5760

PMI

1.0960 .3189 -.0646 -.1090 .1625 -.1666  
 20.000 .0023 -.0233 -.0850 .1289 .1506  
 40.000 .0961 -.0486 .1133 .1175  
 55.000 .2049 .0450 .0340 .0601  
 70.000 .2715 .0910 .0017 .0409  
 90.000 .4349 .2877 .1242 .0054 .0370  
 105.000 .3502 .1719 .1232 .1133  
 120.000 .3643 .2769 .1934 .1967  
 140.000 .3195  
 150.000 .0095  
 156.000  
 162.000  
 165.000  
 169.000  
 174.000  
 183.000

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(082803)

ORB. FUSELAGE

MACH (1) = .596 ALPHA (4) = -.010

## SECTION (1) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB .0000 .0080 .0200 .0470 .0700 .1120 .1590 .1670 .1780 .2050 .2520 .3010 .3790 .4990 .5760

PMI

165.000 .4724 -1.1200 -.2360 -.1275 -.0431 -.0059

169.000

174.000

180.000

185.000

190.000

195.000

200.000

205.000

210.000

215.000

220.000

225.000

230.000

235.000

240.000

245.000

250.000

255.000

260.000

265.000

270.000

275.000

280.000

285.000

290.000

295.000

300.000

305.000

310.000

315.000

320.000

325.000

330.000

335.000

340.000

345.000

350.000

355.000

360.000

365.000

370.000

375.000

380.000

385.000

390.000

395.000

400.000

405.000

410.000

415.000

420.000

425.000

428.000

430.000

435.000

440.000

445.000

450.000

MACH (1) = .596 ALPHA (5) = 5.000

## SECTION (1) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB .0000 .0080 .0200 .0470 .0700 .1120 .1590 .1670 .1780 .2050 .2520 .3010 .3790 .4990 .5760

PMI

165.000 .0361 -.0484 -.0258 .0012 -.0082 -.0064 .0036

169.000

174.000

180.000

185.000

190.000

195.000

200.000

205.000

210.000

215.000

220.000

225.000

230.000

235.000

240.000

245.000

250.000

255.000

260.000

265.000

270.000

275.000

280.000

285.000

290.000

295.000

300.000

305.000

310.000

315.000

320.000

325.000

330.000

335.000

340.000

345.000

350.000

355.000

360.000

365.000

370.000

375.000

380.000

385.000

390.000

395.000

400.000

405.000

410.000

415.000

420.000

425.000

428.000

430.000

435.000

440.000

445.000

450.000

DATE 29 APR 75 TABULATED PRESSURE DATA - 0422A

(082803)

ORB. FUELAGE

ARC11-716 0422 01

MACH (1) = .596 ALPHA (1) = 5.000

SECTION (1) ORBITER FUELAGE DEPENDENT VARIABLE CP

V/LB	.6530	.7300	.7810	.8230	.8420	.9230	.9630	1.0020	1.0210	1.0400
PM1										
.000	-.0067	-.0482	-.1517	-.2414	-.2913	-.3448	-.3022		-.1032	-.1384
40.000	-.0170	-.0568	-.1356	-.2414	-.3740	-.3842	-.2787		-.1076	-.1414
80.000	-.2022	-.0734	-.0417	.2193	.2432	.1878	-.0280			
90.000	-.1178	-.0434	-.0733	.1808	.1394	.0808	-.0037			
100.000			.1356	.1229	.0776	.0322	-.0626			
110.000							-.1712			
120.000	-.0469	.0627	.1880	.1371	-.0375	-.0509	-.0930			
130.000			.3806	.0343	-.1036	-.0814	-.1332			
140.000	.0106	.1068	.2557	.1217	-.1302	-.1319	-.1676			
150.000	.0124	.2146		-.0737	-.1556	-.1290				
160.000	.0209	.0980	.2125	.4088						

MACH (1) = .596 ALPHA (1) = 9.970

SECTION (1) ORBITER FUELAGE DEPENDENT VARIABLE CP

V/LB	.0500	.0580	.0230	.0470	.0730	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5780
PM1															
.000	1.0140	.7324	.3158	.1780	.0762	.0225		.0299		.0345	.0316	.0628	.0530	.0734	.0821
20.000		.3457	.1961	.1101	.0479			-.0295		.0296					
40.000		.3620	.2000	.1317	.0710			-.0252		-.0139	-.0647	-.0141	.0164	.0928	.1826
60.000		.3115	.1548	.0602	-.0071			-.1100			-.1443				
80.000		.2728	.1189	.0163	.0104			-.1019		-.2273	-.2858	-.1956	-.1322	-.1282	
90.000	.3110	.2993	.0925	-.0071	.0062			-.1356		-.2958	-.2829	-.1854	-.1317	-.1117	
100.000		.1621	-.0225	-.0088	.0314			-.0851		-.4216	-.3894	-.3677	-.1773	-.1617	
120.000										-.5470					
140.000	.0659	.0276	-.0142	.0342					-.1423				-.0841	-.0635	
160.000								.2899							
180.000									-.1423						
200.000										-.1471	-.3070	-.1376	-.0709	-.0556	
220.000															
240.000															
260.000															
280.000															
300.000	1.0160	.2212	.0425	.0332	.0277	.0845	.5431	.3045		-.17250	-.2794	-.1349	-.0609	-.0371	
320.000	.6530	.7300	.7810	.8230	.8420	.9230	.9630	1.0020	1.0210	1.0400					

V/LB	.6530	.7300	.7810	.8230	.8420	.9230	.9630	1.0020	1.0210	1.0400
PM1										
.000	.0659	.0138	-.0710	-.1661	-.2142	-.3194	-.2752		-.0888	-.1313
40.000	.0807	.0370	-.0558	-.1735	-.3532	-.3630	-.2610		-.1003	-.1434
80.000	-.3452	-.1645	-.0125	.1944	.2334	.1943	-.0171			
90.000	-.2448	-.1151	.0310	.1605	.1339	.0744	-.0621			
100.000		.1348	.1141	.0637	-.0091	-.0902				
110.000										



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(R82805)

ORB. FUSELAGE

ARC11-716 0A22 ON

MACH (1) = .596 ALPHA (6) = 9.970

SECTION (1) ORBITER FUSELAGE DEPENDENT VARIABLE CP

W/LB .6330 .7300 .7810 .8230 .8620 .9230 .9630 1.0020 1.0210 1.0480

PMI

125.000 -.1289 .0296 .1501 .1141 -.0334 -.0742 -.1104 -.1506  
135.000 .3265 -.0115 -.1236 -.1312 -.1401  
150.000 -.0351 .0490 .2282 .0822 -.1899 -.1619 -.1807  
165.000 -.3834 -.1731 -.0351 -.1832 -.1386  
180.000 -.0224 .0634 .1716 .4299

MACH (1) = .596 ALPHA (7) = 14.640

SECTION (1) ORBITER FUSELAGE DEPENDENT VARIABLE CP

W/LB .0000 .0060 .0230 .0470 .0700 .1120 .1590 .2050 .2520 .3010 .3790 .4990 .5760

PMI

.000 .9016 .8650 .4790 .3115 .2364 .1315 .1120 .1034 .1028 .1313 .1249 .1432 .1593  
20.000 .4957 .3261 .2361 .1495 .0446 .0992  
40.000 .4452 .2935 .2176 .1312 .3159 .0101 .0531 .1432 .2216  
60.000 .3015 .1329 .1434 .0452 -.1530  
80.000 .2135 .1341 .0212 .0435 .1129  
90.000 .1374 .1298 .0370 .0034 .0456 .1531 .1219  
100.000 .0364 .1143 .1139 .0483 .1265  
120.000 .0514 .0792 .1335 .1215 .0830 .4751 .2136 .1204 .1409  
140.000 .2438 .1828  
160.000 .2366 .2366  
180.000 .2964 .2964

W/LB .9016 .0170 .0390 .0700 .1062 .0362 .4668

.6530 .7300 .7810 .8230 .8620 .9230 .9630 1.0020 1.0210 1.0480

PMI

.000 .1642 .0513 .0031 .1129 .1881 .2869 .2534  
40.000 .1809 .1205 .0262 .1014 .3342 .3326 .2460  
60.000 .3367 .2616 .1125 .1114 .1935 .2375 .0090  
80.000 .3546 .2160 .0621 .0770 .0924 .0725 .0598  
100.000 .3356 .0343 .0345 .0160 .0333  
120.000 .1879 .1879  
140.000 .1636 .1257 .1374 .0340 .0725 .0763 .1170 .1471  
160.000 .3229 .0380 .1351 .1216 .1661  
180.000 .1587 .0171 .2203 .1352 .2266 .1754 .2219  
195.000 .0625 .1726 .1162 .1336 .1552  
210.000 .3388 .1658 .4636



DATE 08 APR 75 TABULATED PRESSURE DATA - 0422A

ORIG. FUSELAGE (RB2803)

ARC11-716 0422 D1

MACH (2) = .804 ALPHA (1) = -14.370

SECTION (1) ORBITER FUSELAGE DEPENDENT VARIABLE CP

W/B	.0000	.0000	.0200	.0400	.0700	.1100	.1500	.1800	.2000	.2500	.3000	.3700	.4900	.5700
PMI														
.000	1.0270	-1.667	-4.530	-4.585	-3.510	-3.004	-3.551	-2.904	-0.060	.0006	-.0253	-.0476	-.0864	
20.000			-4.450	-4.782	-3.562	-3.065	-4.653	-2.687						
40.000			-3.245	-5.095	-3.575	-3.573	-7.755	-6.173	-4.999	-.2470	-.1756	-.1597	-.1822	
55.000			-1.175	-5.068	-4.616	-5.013	-6.035	-5.690						
70.000			-1.505	-5.012	-4.693	-4.2257	-5.376	-4.631	-3.732	.0333	.1572	.2590		
90.000			.4936	-2.976	.0537	-1.137	-3.386	-5.570	-.7214	-.0472	.0919	.2029		
120.000				.5579	.3291	-2.380	-.0541	-3.137	-.4145	-.3494	-.0932	.0568		
140.000								-.0888						
150.000				.7827	.6793	.5753	.2892	-.5632	-.1193	-.0669	.0836	.1754		
151.000														
156.000							.6109	.4356						
162.000								-.6313	-.0123	-.0361	-.1060	.1885		
163.000							.8019							
174.000								.8142						
180.000	1.0270	1.1040	.8705	.7482	.6748	.6422	.9348	-.8000	.0069	-.0031	.1155	.2054		
W/B	.6500	.7500	.7810	.8200	.8800	.9200	.9600	1.0000	1.0200	1.0210	1.0400			

PMI														
.000	-2.470	-4.708	-5.773	-.6625	-4.990	-.5184	-.7082	-.2598	-.2331					
40.000			-6.020	-.4750	-6.195	-.6823	-.6392	-.2753	-.2668					
70.000			.3384	.3310	.4317	.3024	.0220							
90.000			.5304	.2937	.3336	.3545	.3339	.2474	-.0250					
105.000				.3467	.3253	.3354	-.0294							
115.000								-.3418						
120.000			.2835	.3302	.2875	.0498	.1761	-.1325	-.0300					
130.000			.8777	.2930	.0702	.0440	-.1083							
150.000			.2465	.3095	.6296	.5196	.1026	.3357	-.2622					
165.000			.3046	.3447	.5447	.1725	.0395	-.4129						
180.000			.3068	.3085	.5224	.7051								

MACH (2) = .803 ALPHA (2) = -10.030

SECTION (1) ORBITER FUSELAGE DEPENDENT VARIABLE CP

W/B	.0000	.0000	.0200	.0400	.0700	.1100	.1500	.1800	.2000	.2500	.3000	.3700	.4900	.5700
PMI														
.000	1.1230	.0306	-.3165	-.3354	-.3620	-.3173	-.2680	-.2920	-.1159	-.0269	-.0227	-.0248	-.0610	
20.000			-.2915	-.3155	-.3265	-.3268	-.3376	-.3325						
40.000			-.1488	-.3478	-.4390	-.4318	-.6123	-.5185	-.2222	-.1459	-.1128	-.0593	-.0799	
55.000			.3485	-.1920	-.2951	-.7469	-.4748	-.4906						
70.000			.2410	.0071	-.3807	-.3029	-.2846	-.4499	-.3698	-.0032	.1023	.1039		
90.000			.5380	.3458	-.1218	-.0225	-.3331	-.5259	-.7580	-.0383	.0510	.1550		

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(082805)

ORB. FUSELAGE

ARC11-7.6 0A22 G1

MACH ( 2 ) = .903 ALPHA ( 2 ) = -10.030

DEPENDENT VARIABLE CP

SECTION ( 1 ) ORBITER FUSELAGE

X/LB	.0000	.0080	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2030	.2520	.3010	.3790	.4990	.5760
CHI															
120.000			.5386	.3297	.2386	.2132		-.0433		-.3618	-.6953	-.3242	-.0383	.0629	
140.000										-.2488				.1127	
150.000			.6934	.5859	.4816	.4548				-.6951	-.6376	-.0647	.0511		
151.000								.5909							
156.000									.3770						
162.000										-.7433	-.2794	-.0388	.0584	.1180	
165.000								.7610							
169.000							.8967								
174.000								.7612		-.9044	-.1651	-.0221	.0642	.1307	
180.000	1.1250	1.0070	.7499	.6333	.5647	.5489									
X/LB	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					

CHI

.000	-.2122	-.3940	-.4607	-.5478	-.6475	-.5648	-.7267		-.2944	-.2174					
40.000	-.3473	-.4552	-.4825	-.3288	-.5452	-.6795	-.6493		-.3671	-.2933					
70.000	.2330	.1946	.2591	.3751	.3896	.3238	-.0061								
90.000	.2299	.2247	.2629	.3165	.2958	.2153	-.0595								
105.000			.2967	.2671	.2522	.1563	-.0541								
110.000							-.2939								
120.000	.2119	.2696	.2851	.0205	.1315	.0993	-.0547	-.2313							
135.000			.7389	.2439	.0315	.0203	-.1159								
150.000	.2189	.3266	.5645	.4403	.0330	-.0177	-.2403								
165.000	.2189	.4769		.0999	-.0233	-.2499									
180.000	.2311	.3179	.4561	.6327											

MACH ( 2 ) = .902 ALPHA ( 3 ) = -4.980

DEPENDENT VARIABLE CP

SECTION ( 1 ) ORBITER FUSELAGE

X/LB	.0000	.0080	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2030	.2520	.3010	.3790	.4990	.5760
CHI															
.000	1.1950	.2593	-.1398	-.1747	-.2676	-.2545		-.2283		-.2350	-.1680	-.0415	-.0354	-.0166	-.0366
20.000			-.1060	-.1613	-.2350	-.2376		-.3079		-.2520					
40.000			.0375	-.1787	-.2473	-.2430		-.3980		-.3909	-.3646	-.0922	-.0614	-.0068	-.0068
55.000			.1968	-.0261	-.1345	-.1839		-.2934		-.3561					
70.000			.3231	.0938	.0005	-.0428		-.1952		-.3650	-.8036	-.0241	.0342	.1031	
90.000	.5570		.3812	.1681	.0088	-.0414		-.2133		-.4481	-.7215	-.0767	.0378	.0979	
120.000		.5034	.2899	.2089	.2037			.0063		-.4494	-.6903	-.1837	.0112	.0640	
140.000			.5774	.4703	.3769	.3655				-.4642					
150.000								-.7832		-.8331	-.0325	.0283		.0667	
151.000								.2063							
156.000							.5551								
162.000							.3127								





DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

ORB. FUSELAGE (R82803)

ARC11-716 0A22 01

MACH ( 2 ) = .902 ALPHA ( 3 ) = -4.980

## SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0200	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
165.000								.6987							
169.000							.8351								
174.000								.6847							
183.000	1.1950	.8753	.6071	.4950	.4350	.4378									
X/LB	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					
PMI															
.0000															
40.000															
70.000															
90.000															
105.000															
110.000															
120.000															
135.000															
150.000															
165.000															
183.000															

MACH ( 2 ) = .901 ALPHA ( 4 ) = .000

## SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0200	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
.0000															
20.000															
40.000															
55.000															
70.000															
90.000															
120.000															
140.000															
150.000															
151.000															
156.000															
162.000															
165.000															
169.000															
174.000															
183.000															
X/LB	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(RB2805)

ORB. FUSELAGE

ARC11-716 0A22 01

MACH ( 2 ) = .901 ALPHA ( 4 ) = .000

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CF

X/LB .6330 .7300 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480

CHI  
 .000 -.0365 -.0825 -.1510 -.2624 -.3831 -.5101 -.7093  
 40.000 -.0786 -.0821 -.1422 -.2630 -.3737 -.6635 -.5683  
 70.000 -.0821 -.0442 -.1228 -.2848 .3192 .2894 -.0061  
 90.000 -.0293 .0145 .1435 .2353 .2305 .1727 -.0523  
 105.000 .1871 .1605 .1653 .0900 -.0902  
 110.000  
 120.000 .0266 .1202 .2347 .0545 .0509 .0226 -.1132 -.2262  
 135.000 .5371 .1439 -.0399 -.0370 -.1512  
 150.000 .0804 .1733 .3914 .2661 -.0925 -.1024 -.2286  
 165.000 .0638 .3303  
 180.000 .0661 .1729 .3135 .5107  
 -.3093 -.2068  
 -.3177 -.2330

MACH ( 2 ) = .902 ALPHA ( 5 ) = 5.040

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CF

X/LB .0000 .0080 .0230 .0470 .0700 .1120 .1590 .1670 .1780 .2050 .2520 .3010 .3790 .4990 .5760

CHI  
 .000 1.2030 .6705 .2215 .0943 -.0073 -.0656  
 20.000 .2621 .1176 .0367 -.0393  
 40.000 .3371 .1558 .0627 .0092  
 55.000 .3780 .1856 .0801 .0303  
 70.000 .3888 .1920 .0803 .0544  
 90.000 .5026 .3467 .1785 .0469 .0650  
 120.000 .3638 .1326 .1193 .1578  
 140.000 .3138 .2126 .1540 .2149  
 150.000  
 155.000  
 162.000  
 165.000  
 169.000  
 174.000  
 180.000  
 1.2030 .5376 .2842 .2325 .1979 .2508  
 .6330 .7300 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480  
 .7317  
 .5683  
 .6066  
 .1582  
 .2175  
 -.9945 -.6921 -.3503 .0500 .0037  
 -1.0840 -.6625 -.2840 .0456 .0159  
 -.2581 -.1723  
 -.2726 -.1983  
 -.2312



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

ARC11-716 0A22 01 ORB. FUSELAGE (R82803)

MACH ( 2 ) = .902 ALPHA ( 5 ) = 5.040

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB .6530 .7300 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480

PHI

120.000 -.1020 .0134 .1547 .0744 .0138 -.0134 -.1456 -.1920  
135.000 .4199 .0988 -.0702 -.1739  
150.000 -.0325 .0819 .3042 .1639 -.1334 -.1289 -.2113  
165.000 -.0176 .2414 -.0634 -.1508 -.1551  
180.000 -.0113 .0910 .2313 .4451

MACH ( 2 ) = .905 ALPHA ( 6 ) = 10.010

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB .0000 .0080 .0230 .0470 .0700 .1120 .1590 .1670 .1780 .2050 .2520 .3010 .3790 .4990 .5760

PHI

.000 1.1480 .6484 .4099 .2397 .1282 .0484 .0281 .0194 -.0144 .0313 .0512 .1076 .1592  
20.000 .4327 .2707 .1663 .0802 -.0292  
40.000 .4508 .2778 .1892 .1120 -.0143  
55.000 .4079 .2278 .1225 .0578 -.0497  
70.000 .3688 .1954 .0642 .0004 -.0311  
90.000 .4318 .3090 .1712 .0416 .0516 -.0392  
120.000 .2548 .0581 .0409 .1225 .0947  
140.000 .1753 .1042 .0508 .1510  
151.000 .4971  
156.000 .1891  
162.000 .9408 -.5757 -.5564 -.2348 .0156  
165.000 .5705  
169.000 .6844  
174.000 .1346 .1127 .0896 .1780  
180.000 1.1480 .3444 .1346 .1127 .0896 .1780 .6844 .5231 -.6453 -.5705 -.5474 -.2290 .0328

X/LB .6530 .7300 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480

PHI

.000 .1724 .1192 .0396 -.0771 -.1796 -.3962 -.6359  
40.000 .1784 .1191 .0591 -.0624 -.2920 -.5850 -.5351  
70.000 -.3693 -.8606 -.1157 .0957 .2380 .2342 -.0145  
90.000 -.2900 -.4995 -.0724 .0304 .1257 .1210 -.0664  
105.000 .03374 -.0317 .0726 .0206 -.1197  
110.000  
120.000 -.2165 -.1758 -.0601 .0176 .0512 .0655 -.1724 -.1897  
135.000 .2704 .0009 -.1376 -.1172 -.1870  
150.000 -.1374 -.0756 .1634 .1075 -.2040 .1773 -.2184  
165.000 -.1092 .1327 -.1050 -.1821 -.1700  
180.000 -.0915 -.0170 .3644

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ARC11-716 0A22 01

ORB. FUSELAGE

(RB2805)

WACH ( 2 ) = .804 ALPHA ( 7 ) = 14.820

## SECTION ( 1 ) ORBITER FUSELAGE

## DEPENDENT VARIABLE CP

X/LB	.0000	.0060	.0230	.0470	.0700	.1120	.1590	.1870	.1780	.2050	.2320	.3010	.3790	.4990	.5780
PMI															
.000	1.0550	.9854	.5653	.3613	.2505	.1632		.1268		.1132	.0900	.1213	.1283	.1941	.2347
20.000		.5662	.3992	.2849	.1873			.0650		.1072					
40.000		.5440	.3704	.2744	.1802			.0606		.0497	-.0684	-.0221	.0534	.1932	.2935
55.000		.4170	.2163	.1134	.0303			-.0668		-.0863					
70.000		.3325	.1715	.0483	.0505			-.0163		-.1298	-.5107	-.3271	-.2650	-.1958	
90.000		.3315	.2400	.1206	.0046	.0501		-.0204		-.1911	-.5959	-.2655	-.3170	-.1260	
120.000			.1401	-.0752	-.0434	.0569		.1027		-.3430	-.7108	-.5058	-.4986	-.1728	
140.000										-.4949					
150.000			.0495	-.0037	-.0377	.0987			.1463	-.6470	-.5422	-.5705	-.3143	-.0782	
151.000								.4831							
156.000									.1711	-.6844	-.5497	-.5885	-.2974	-.0192	
162.000								.5462							
165.000						.6295		.4923		-.5688	-.5536	-.5898	-.2910	.0169	
169.000															
174.000															
180.000	1.0550	.1490	-.0115	.0058	.0066	.1212									
X/LB	.6530	.7300	.7810	.8230	.8620	.9230	.9630	1.0020	1.0210	1.0480					
PMI															
.000	.2631	.2069	.1248	.0016	-.1193	-.3607	-.5871								
40.000	.2714	.2369	.1500	.0201	-.1793	-.5916	-.6334								
70.000	-.5564	-.8907	-.2831	-.2127	-.0027	.1792	-.0099								
90.000	-.4096	-.6650	-.2518	-.2241	-.1006	.0150	-.1029								
105.000		-.1280	-.2097	-.1799	-.0855	-.1705									
110.000															
120.000	-.2898	-.2622	-.0682	-.0265	-.3305	-.1211	-.1982	-.2194							
135.000		.1989	-.0762	-.2921	-.1683	-.2211									
150.000	-.2566	-.1976	.1105	.0602	-.3906	-.2621	-.2862								
165.000	-.1716	.0768			-.2280	-.2393	-.2224								
180.000	-.1432	-.0884	.0634	.3566											



## REFERENCE DATA

LREF = 2.4210 30. FT.      XMRP = 29.5000 INCHES  
 LREF = 30.7000 INCHES      YMRP = .0000 INCHES  
 LREF = 30.7000 INCHES      ZMRP = .0000 INCHES  
 SCALE = .0000 SCALE

BETA (1) = -9.980

## SECTION 1 ORBITER FUSELAGE

DEPENDENT VARIABLE CF

YR	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411
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DATE 08 APR 75 TABULATED PRESSURE DATA - 0A22A

CRB. FUSELAGE (RB2809)

ARC11-716 0A22 01

MACH (1) = .988 BETA (2) = -4.980

SECTION : 1) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0200	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2320	.3010	.3790	.4990	.5760
PMI	1.0420	.3119	-.0693	-.1231	-.1722	-.1608		-.1255	-.1057	-.0858	-.0492	-.0330	-.0470	-.0514	
20.000		-.0191	-.0938	-.1441	-.1726		-.2109	-.2109	-.1167	-.1766	-.1195	-.1145	-.0382	-.0351	
40.000		.1553	-.0408	-.1141	-.1356		-.2558	-.2558	-.1766	-.1587	-.1195	-.1145	-.0382	-.0351	
55.000		.3257	.1326	.0437	-.0179		-.1091	-.1091	-.1203	-.1686	-.1922	-.0721	.0008	.0240	
70.000		.4134	.2179	.1137	.0554		-.0546	-.0546	-.1686	-.1922	-.0721	.0008	.0240	.0249	
90.000		.6351	.4444	.2645	.1397	.0920	-.0700	-.0700	-.2243	-.2020	-.0843	-.0181	.0249	.0249	
120.000		.4745	.2648	.2267	.2128		-.0533	-.0533	-.2341	-.2752	-.2558	-.0360	-.0326	-.0326	
140.000									-.3274						
150.000		.4093	.3070	.2384	.2447				-.4987	-.3886	-.1621	-.0630	-.0317		
151.000								.4611							
156.000															
162.000									.1205	-.1.1550	-.2729	-.1556	-.0674	-.0411	
165.000															
169.000															
174.000															
181.000	1.0420	.6135	.3440	.2675	.2253	.2290	.6598	.5053	-.1.4710	-.2520	-.1376	-.0651	-.0319		
X/LB	.6530	.7500	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					

PMI	1.0420	-.0612	-.0958	-.1455	-.2069	-.2155	-.2551	-.2193	-.0809	-.1469					
20.000		-.1181	-.0967	-.1479	-.2081	-.2167	-.2118	-.1846	-.0758	-.1300					
40.000		-.1072	-.0970	-.0182	-.1129	.0322	.0194	-.0487							
55.000		-.0639	-.0440	.0290	.1019	.0046	-.0271	-.0955							
70.000				.1145	.0623	-.0419	-.0967	-.1174							
90.000									-.1857						
120.000		-.0354	.0540	.3132	.0251	-.0787	-.0742	-.1055	-.1438						
135.000				.4452	.0257	-.0897	-.0759	-.1501							
150.000		-.0061	.0907	.2375	.0950	-.0574	-.0985	-.2118							
155.000		-.0075		.1887		.0312	-.1186	-.2341							
181.000	1.0420	.0702	.1899	.3399											

MACH (1) = .987 BETA (2) = .000

SECTION : 1) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0200	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2320	.3010	.3790	.4990	.5760
PMI	1.0940	.3228	-.0346	-.1091	-.1585	-.1664		-.1148	-.0935	-.0701	-.0377	-.0456	-.0456	-.0433	
20.000		-.0207	-.0865	-.1259	-.1445		-.1825	-.1825	-.1007	-.1413	-.1223	-.0803	-.0712	-.0179	-.0047
40.000		.0945	-.0550	-.1374	-.1158		-.2134	-.2134	-.1623	-.1623	-.1223	-.0803	-.0712	-.0179	-.0047
55.000		.2034	.0562	-.0377	-.0821		-.1567	-.1567	-.1623	-.1623	-.1223	-.0803	-.0712	-.0179	-.0047
70.000		.2719	.0858	-.0370	-.0394		-.1372	-.1372	-.2364	-.2364	-.1078	-.0320	-.0320	-.0034	
90.000		.4399	.2930	.1197	.0052	-.0368		-.1782	-.3161	-.2523	-.1214	-.0338	-.0338	-.0028	



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

ORB. FUSELAGE

ARC11-716 0A22 01

MACH ( 1 ) = .597 BETA ( 3 ) = .000

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

Y/LB	.0000	.0000	.0200	.0400	.0700	.1100	.1500	.1670	.1780	.2000	.2500	.3010	.3790	.4990	.5760
PMI															
123.000			.3517	.1667	.1213	.1103		-.0843		-.3648	-.3174	-.2633	-.0456	-.0187	
140.000										-.4195					
153.000			.3618	.2723	.1999	.1984				-.5558	-.3286	-.1444	-.0489	-.0149	
151.000															
156.000								.3478							
162.000									.0146						
165.000										-1.1230	-.2470	-.1364	-.0486	-.0220	
169.000															
174.000															
183.000	1.0940	.6156	.3689	.2893	.2408	.2529		.4337		-1.4290	-.2328	-.1167	-.0486	-.0112	
Y/LB	.6530	.7500	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					

PMI

.000	-.0536	-.0683	-.1427	-.2044	-.2073	-.2520	-.2177		-.0776	-.1385					
40.000	-.0914	-.0680	-.1406	-.1991	-.2136	-.2181	-.1754		-.0711	-.1328					
70.000	-.1339	-.1415	-.0796	.0494	-.0210	-.0199	-.0679								
93.000	-.0772	-.0806	-.0323	.0162	-.0553	-.0651	-.1206								
105.000			.0311	-.0063	-.0367	-.1283	-.1415								
110.000								-.1904							
120.000	-.0138	.0385	.0881	-.1556	-.1508	-.1292	.1437	-.1624							
135.000		.4615	.0081	-.1708	-.1361	-.1776									
150.000	.0184	.1034	.3024	.1561	-.1755	-.1799	-.2380								
165.000	.0232		.2352		-.1080	-.2025	-.1969								
180.000	.0208	.0987	.2153	.4283											

MACH ( 1 ) = .598 BETA ( 4 ) = 4.980

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

Y/LB	.0000	.0000	.0200	.0400	.0700	.1100	.1500	.1670	.1780	.2000	.2500	.3010	.3790	.4990	.5760
PMI															
.000	1.0650	.2925	-.0603	-.1172	-.1826	-.1812		-.1325		-.1087	-.0862	-.0471	-.0493	-.0495	-.0374
20.000			-.0573	-.1074	-.1395	-.1530		-.1877		-.1099					
40.000		.0126	-.0968	-.1372	-.1337			-.2032		-.1406	-.1278	-.0801	-.0661	-.0139	.0042
50.000		.0729	-.0513	-.1120	-.1319			-.2041		-.2040					
70.000		.1216	-.0350	-.1123	-.1345			-.2102		-.3315	-.2708	-.1272	-.0449	-.0121	
90.000		.2134	-.1381	-.0201	-.1427			-.2752		-.3884	-.2908	-.1388	-.0449	-.0103	
120.000			.2114	.0328	-.0181	-.0169		-.2482		-.4776	-.3665	-.2931	-.0611	-.0271	
140.000										-.5086					
150.000		.2752	.1971	.1223	.1359			-.6385	-.3114	-.1644	-.0704	-.0421			
160.000								-.2201							
180.000								.1858							
190.000															
200.000															

-.1383





DATE 08 APR 75 TABULATED PRESSURE DATA - 0422A

(R02809)

ORB. FUSELAGE

ARC11-716 0422 01

MACH (1) = .800 BETA (5) = 9.990

DEPENDENT VARIABLE CP

SECTION (1) ORBITER FUSELAGE

X/LB .6530 .7500 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480

PMI -.0000 -.0760 -.0773 -.1516 -.2164 -.2209 -.2680 -.2274 -.0905 -.1439

40.000 -.0733 -.0911 -.1328 -.1952 -.2217 -.2389 -.1743 -.0790 -.1524

70.000 -.1634 -.1977 -.1807 -.0553 -.1117 -.0310 -.1059

90.000 -.1175 -.1569 -.1843 -.1334 -.1197 -.1539 -.1807

105.000 -.1501 -.2399 -.2109 -.1910 -.1928

110.000 -.3786 -.0694 -.3350 -.5942 -.3384 -.2647 -.2420 -.2326

120.000 -.3221 -.4034 -.5380 -.4360 -.3528

130.000 -.0793 -.0183 -.2804 -.1456 -.5631 -.4324 -.3693

140.000 -.0793 -.1531 -.4930 -.4585 -.2788

150.000 -.0762 -.0154 -.1025 -.2341

MACH (2) = .899 BETA (1) = -9.950

SECTION (1) ORBITER FUSELAGE

DEPENDENT VARIABLE CP

X/LB .0000 .0000 .0230 .0470 .0700 .1120 .1590 .1670 .1780 .2050 .2520 .3010 .3790 .4980 .5760

PMI .0000 1.1510 .3919 -.0240 -.1368 -.2016 -.2330 -.2343 -.2221 -.1952 -.1128 -.0818 -.0490 -.0304

20.000 .0360 -.0783 -.1750 -.2368 -.3472 -.2522

40.000 .0057 .0083 -.1034 -.1778 -.4184 -.2954 -.3039 -.2316 -.1805 -.0518 -.0316

55.000 .2251 .2824 .1558 .0560 -.0801 -.1391

70.000 .6480 .4195 .2849 .1887 .0408 -.1069 -.3841 -.0989 .0463 .0851

90.000 .6717 .4750 .3204 .2552 .0358 -.1205 -.5148 -.1603 .0253 .0733

120.000 .6518 .4540 .3795 .3573 -.1101 -.5139 -.3980 -.0615 -.0498

140.000 .5202 .3924 .3111 .3394 -.1308 -.2151 -.1018 -.2610 -.0737 -.0614

160.000 .6813 .3952 -.7160 -.9251 -.1956 -.0823 -.0730

180.000 .6791 .4048 .0000 -.8358 -.1573 -.0893 -.0698

X/LB .6530 .7500 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480

PMI -.0632 -.0912 -.1680 -.2842 -.4068 -.4584 -.2795

40.000 -.1728 -.1354 -.1515 -.2850 -.4056 -.3427 -.2420

70.000 -.3677 -.1474 .0309 .1880 .0812 .1077 .0006

90.000 -.0374 -.0699 .1027 .1892 .0743 .0005 -.0519

105.000 .2398 .1415 .0360 .0091 .0714

110.000 .2064

ARC111-716 0422 01

ORB. FUSELAGE

(RB2809)

WACH ( 2 ) = .899 BETA ( 1 ) = -9.959

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CF

X/LS .6530 .7530 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480

PMI

120.000 -.1037 -.0034 .4316 .1470 .0061 .0140 -.0375 -.11490

135.000 .4079 .0476 -.0303 .0189 -.1086

150.000 -.0630 .0613 .2139 .0886 .1049 .0440 -.1995

165.000 -.0603 .1895 .1962 .0411 -.3206

180.000 -.0635 .0448 .2143 .3669

WACH ( 2 ) = .901 BETA ( 2 ) = -4.970

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CF

X/LS .0000 .0000 .0000 .0230 .0470 .0730 .1120 .1590 .1670 .1780 .2030 .2520 .3010 .3790 .4990 .5760

PMI

.000 1.2000 .4558 .0275 -.0723 -.1449 -.1815

20.000 .0877 -.0289 -.1151 -.1564

40.000 .2651 .0245 -.0574 -.1167

60.000 .4222 .2052 .0946 .0190

80.000 .5139 .2342 .1689 .1069

100.000 .7363 .5303 .3465 .1947 .1434

120.000 .5635 .3278 .2891 .2981

140.000 .4921 .3320 .3128 .3324

160.000 .3510 .6331

180.000 .3510

190.000 .6849

194.000 .8113

180.000 1.2000 .7256 .4260 .3480 .2983 .3276

X/LS .6530 .7530 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480

PMI

.000 -.0410 -.0036 -.1539 -.2624 -.3808 -.4955 -.2723

40.000 -.1209 -.0715 -.1383 -.2572 -.3368 -.4585 -.2161

60.000 .1033 .0100 .0534 .0395 .0164 .0395 .0370

80.000 .0020 .0129 .0190 .0743 .0361 .0059 .0038

100.000 .1322 .0025 .0056 .0075 .1046

110.000 .11999

120.000 .0550 .0355 .0050 .0019 .0014 .0063 .0039

135.000 .4093 .0743 .0470 .1438

150.000 .0123 .0347 .0310 .1440 .0492 .0336 .0237

165.000 .0076 .2617 .0317 .0305 .0277

180.000 .0010 .0020 .2017 .0847

-.0391 -.1263

-.0066 -.1173

-.1777 -.1818 -.0751 -.0466 -.0141 -.0020

-.1832

-.2617 -.3389 -.1428 -.1043 -.0073 .0266

-.1892

-.1840 -.6743 -.0961 .0158 .0471

-.2308 -.5205 -.1587 .0059 .0494

-.2378 -.6025 -.3395 -.0160 -.0072

-.2295

-.2828 -1.0170 -.2466 .0070 -.0085

.2961

.3510

-.9078 -.8584 -.1590 .0009 -.0116

-.10850 -.8763 -.1264 .0045 -.0078



DATE 30 APR 75

TABULATED PRESSURE DATA - 0A224

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ORD. # RELAGE

(002009)

MACH ( 2 ) = .902 BETA ( 3 ) = .010

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

V/S	.0000	.0003	.0020	.0230	.0470	.0700	.1120	.1590	.1670	.1760	.2030	.2520	.3010	.3790	.4990	.5780
FWL																
.000	1.2190	.4709	.0387	-.0560	-.1330	-.1664			-.1636		-.1605	-.1949	-.0597	-.0312	-.0350	.0091
20.000			.0753	-.0255	-.1302	-.1455			-.2340		-.1731		-.0828	-.0467	.0171	.0301
40.000			.1972	.0104	-.0818	-.1031			-.2520		-.2203	-.3359				
60.000			.3029	.1036	-.0330	-.0477			-.1733		-.2275	-.7661	-.1016	.0050	.0301	
80.000			.3717	.1618	.0451	.0127			-.1240		-.3616	-.7114	-.1337	.0060	.0355	
100.000		.3516	.3684	.1991	.0518	.0343			-.1377		-.4252	-.6973	-.2136	.0180	.0133	
120.000			.4448	.2480	.1859	.2035			.0447		-.5258					
140.000			.4519	.3522	.2659	.2885				.1803	-.8394	-.9619	-.1770	.0173	.0091	
160.000									.5312							
180.000									-.2624		-.9119	-.8555	-.1195	.0195	.0031	
200.000								.7866			-.9449	-.8632	-.0953	.0245	.0190	
220.000	1.2190	.7230	.4493	.3694	.3141	.3402			.6223							
240.000	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480						

FWL

.000	-.0364	-.0830	-.1535	-.2606	-.3066	-.4885	-.2452			-.0302	-.1143					
20.000	-.0805	-.0861	-.1429	-.2614	-.3722	-.4855	-.1880			-.0540	-.1245					
40.000	-.1154	-.2117	-.1306	-.0143	-.1406	-.0297	-.0766									
60.000	-.0682	-.1314	-.0513	-.0335	-.1659	-.0755	-.1180									
80.000		.0223	-.1436	-.1907	-.1213	-.1394										
100.000			.1335	-.1708	-.2459	-.1339	-.1534		-.1381							
120.000	-.0174	.0290	.0399	.0585	-.2624	-.1634	-.2014		-.1761							
140.000	.0131	.1362	.3453	.2112	-.2747	-.1977	-.2601									
160.000	.0129	.2809	.2809		-.1743	-.2223	-.2318									
180.000	.0160	.1031	.2630	.4758												

MACH ( 2 ) = .800 BETA ( 4 ) = 4.930

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

V/S	.0000	.0003	.0020	.0230	.0470	.0700	.1120	.1590	.1670	.1760	.2030	.2520	.3010	.3790	.4990	.5780
FWL																
.000	1.1920	.4416	.0133	-.0586	-.1612	-.1881			-.1803		-.1845	-.1881	-.0793	-.0444	-.0101	-.0075
20.000			.0403	-.0496	-.1191	-.1592			-.2310		-.1855		-.0900	-.0448	.0194	.0179
40.000			.1382	-.0355	-.1109	-.1592			-.2515		-.2122	-.3210				
60.000			.1979	.0377	-.0723	-.1349			-.2249		-.2772					
80.000			.2589	.0310	-.0677	-.0793			-.1935		-.2631	-.8300	-.1344	.0051	.0221	
100.000		.3404	.2458	.0570	-.0877	-.0729			-.2319		-.4805	-.8045	-.2132	.0150	.0262	

DATE 08 APR 75 TABULATED PRESSURE DATA - QAZZA

ORB. FUSELAGE (082809)

MACH ( 2 ) = .900 BETA ( 4 ) = 4.990

SECTION 1 (1) ORBITER FUSELAGE DEFICIENT VARIABLE CP

X/LB	.0000	.0060	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2030	.2520	.3010	.3790	.4990	.5760
PMI															
120.000			.3148	.1151	.0443	.0866		-.0935		-.6139	-.8239	-.2658	.0129	.0075	
140.000										-.8541					
150.000			.3703	.2775	.1911	.2141				-.9541	-.5849	-.1511	.0096	-.0043	
151.000								.3964							
156.000									.1486						
162.000								.5072							
169.000															
174.000															
183.000	1.1920	.6035	.4490	.3514	.3026	.3294	.7285	.6030		-.11360	-.8759	-.0859	.0079	-.0054	
X/LB	.6530	.7300	.7810	.8230	.8620	.9230	.9630	1.0020	1.0210	1.0480					

PMI

.000	-.0444	-.0846	-.1548	-.2684	-.3951	-.5090	-.2653								
40.000	-.0587	-.0846	-.1444	-.2692	-.3964	-.4997	-.2068	-.0439	-.1237						
70.000	-.1174	-.1902	-.1816	-.0770	-.3633	-.1443	-.1335	-.0561	-.1420						
90.000	-.3722	-.1161	-.1259	-.1351	-.4120	-.1970	-.1597								
105.000		-.0480	-.2341	-.4079	-.2220	-.1772									
110.000							-.2322								
120.000	-.3183	.0034	-.0403	-.3798	-.5601	-.3678	-.2032	-.2103							
135.000		.4878	-.0036	-.0510	-.4746	-.2595									
150.000	.0019	.0322	.3637	.2613	-.4869	-.5192	-.2684								
165.000	-.0323	.2825	.2825		-.3121	-.5060	-.2192								
180.000	.0345	.0939	.2552	.4143											

MACH ( 2 ) = .900 BETA ( 5 ) = 9.970

SECTION 1 (1) ORBITER FUSELAGE DEFICIENT VARIABLE CP

X/LB	.0000	.0280	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2030	.2520	.3010	.3790	.4990	.5760
PMI															
20.000	1.1190	.4013	-.0229	-.0782	-.1606	-.2018		-.1907		-.2006	-.1958	-.1009	-.0586	-.0322	-.0332
25.000		-.0184	-.0961	-.1583	-.1858			-.2394		-.2133					
40.000		.0050	-.0316	-.1532	-.1481			-.2300		-.2263	-.3335	-.1279	-.0560	.0028	.0507
55.000		.0499	-.0954	-.1531	-.1512			-.2575		-.3150					
70.000		.0885	-.0927	-.1719	-.1580			-.2488		-.4244	-.4723	-.3192	.0115	.0271	
90.000		.1185	.1338	-.0854	-.2231	-.1581		-.3053		-.5785	-.4700	-.4340	.0076	.0384	
120.000			.1665	-.0528	-.1055	-.0447		-.2482		-.7766	-.4980	-.3314	-.0515	.0137	
140.000										-.10840					
150.000			.2305	.1895	.0880	.1044			-.9824	-.7032	-.3320	-.0577	-.0454		
160.000								.2376	-.1379						
180.000															
182.000								.0240							



DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

(R82809)

ORB. FUSELAGE

MACH ( 2 ) = .901 BETA ( 3 ) = 9.973

ARC11-716 0422 01

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

K/LB .0000 .0000 .0230 .0470 .0700 .1120 .1390 .1670 .1780 .2030 .2320 .3010 .3790 .4390 .5790

FMI

163.000 -.9066 -.7011 -.2598 -.0715 -.0672

.4733

.6173

169.000 -1.1190 .6099 .4019 .2969 .2492 .2817 .4745 -1.1190 -.6585 -.1934 -.0806 -.0641

.6173

174.000 1.1190 .6099 .4019 .2969 .2492 .2817 .4745 -1.1190 -.6585 -.1934 -.0806 -.0641

.6173

180.000 .6330 .7300 .7810 .8230 .8620 .9230 .9630 1.0220 1.0210 1.0480

FMI

40.000 -.0614 -.0662 -.1197 -.2722 -.3990 -.4861 -.2646

40.000 -.0475 -.0791 -.1316 -.2684 -.3998 -.4753 -.1649

70.000 -.0958 -.1681 -.2119 -.1231 -.4538 -.2662 -.1688

90.000 -.0931 -.1077 -.1638 -.1973 -.4895 -.3459 -.2363

103.000 -.0966 -.2917 -.5223 -.3866 -.2307

115.000 -.0966 -.2917 -.5223 -.3866 -.2307

123.000 -.0182 -.0004 -.2177 -.5625 -.6760 -.5305 -.3346

133.000 -.0267 .0721 .3583 .3627 -.5795 -.7108 -.4307

153.000 -.0429 .2874 .2874 .3857 -.6442 -.2331

163.000 -.0574 .0324 .2330 .4069



ARC11-716 0A22 01

ORB. FUSELAGE

(R82810) ( 29 SEP 75 )

## REFERENCE DATA

REF = 2.4210 36. FT. XMRP = 29.5800 INCHES  
 LREF = 36.7090 INCHES YMRP = .0000 INCHES  
 BREF = 36.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0000 SCALE

MACH ( 1 ) = .996 BETA ( 1 ) = -9.970

## PARAMETRIC DATA

ALPHA = .000 ELEVON = .000  
 RUDDER = 10.000 SPDBRK = .000

## SECTION ( 1 ) ORBITER FUSELAGE

## DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4980	.5760
PHI															
.000	1.0140	.2442	-.1147	-.1880	-.2128	-.1976		-.1582	-.1329	-.1080	-.0758	-.0926	-.0899	-.0704	
20.000		-.0649	-.1405	-.1973	-.2218		-.2600	-.1646	-.1646	-.2238	-.1826	-.1816	-.0868	-.0718	
40.000			.1834	-.0693	-.1476	-.1833	-.3411	-.2502	-.2502	-.2238	-.1826	-.1816	-.0868	-.0718	
55.000			.4214	.2074	.1084	.0307	-.0549	-.0583	-.0583	-.1307	-.0257	.0386	.0386		
70.000			.5521	.3469	.2369	.1485	-.0407	-.0787	-.0787	-.1316	-.0463	.0149	.0495		
90.000		.7981	.5852	.4081	.2702	.2058	.0353	-.1217	-.1217	-.1316	-.0463	.0149	.0495		
120.000			.5774	.3898	.3263	.2958	.1678	-.1795	-.1795	-.2211	-.2510	-.0810	-.0773		
140.000								-.2303	-.2303	-.4279	-.4690	-.1550	-.1093	-.0880	
150.000			.4220	.3197	.2490	.2664	.2090								
151.000							.5298								
155.000															
162.000															
165.000															
169.000															
174.000															
180.000	1.0140	.5892	.2790	.2103	.1837	.1829	.6344	.5072	-.1.1690	-.3240	-.2038	-.1241	-.1066		
X/LB	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					
PHI															
.000	-.0724	-.1093	-.1322	-.2128	-.2158	-.2610	-.2225	-.0839	-.1492						
40.000	-.1501	-.1102	-.1585	-.2178	-.2167	-.2111	-.2088	-.0955	-.1495						
70.000	-.0596	-.0416	.0467	.1842	.0944	.0650	-.0228								
90.000	-.0267	.0077	.1006	.1851	.0671	.0181	-.0756								
105.000			.1945	.1839	.0276	-.0416	-.0935								
110.000								-.1805							
120.000	-.0784	.0334	.4431	.1836	-.0024	-.0189	-.0725	-.1314							
135.000			.3093	-.0123	-.0525	-.0267	-.1263								
150.000	-.0820	.0334	.1303	.0314	.0638	.0342	-.1634								
165.000	-.0617		.1072		.1740	-.0156	-.2809								
180.000	-.0714	-.0124	.1066	.1818											



DATE 09 APR 75 TABULATED PRESSURE DATA - QM22A

ORB. FUSELAGE (RB2810)

ARC11-716 QM22 O1

MACH (1) = .597 BETA (2) = -4.970

DEPENDENT VARIABLE CP

SECTION (1) ORBITER FUSELAGE

X/LB	.0000	.0080	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PHI															
.000	1.0840	.3126	-.0667	-.1224	-.1728	-.1693		-.1289		-.1016	-.0899	-.0469	-.0533	-.0510	-.0516
20.000		-.0154	-.0950	-.1424	-.1566			-.2109		-.1190		-.1843	-.1165	-.1023	-.0325
40.000		.1565	-.0442	-.1126	-.1362			-.2560				-.1224			
55.000		.3260	.1286	.0371	-.0222			-.1093				-.1631	-.1917	-.0025	.0210
70.000		.4161	.2121	.1134	.0518			-.0562		-.2215	-.1970	-.0949	-.0185	.0163	
90.000		.6321	.4451	.2625	.1391	.0885		-.0712		-.2487	-.2761	-.2627	-.0592	-.0378	
120.000		.4712	.2660	.2258	.2137			.0535		-.3236		-.4994	-.1624	-.0602	-.0360
140.000		.4051	.3097	.2387	.2474				.0970						
150.000								.4641							
156.000									.1247						
162.000										-.11590	-.2764	-.1565	-.0743	-.0422	
165.000															
169.000								.5121							
174.000															
180.000	1.0840	.6200	.3449	.2740	.2216	.2337	.6653	.3673		-.14710	-.2557	-.1330	-.0675	-.0423	
X/LB	.6330	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					

PHI															
.000	-.0590	-.0949	-.1487	-.2041	-.2140	-.2572	-.2248			-.0818	-.1467				
40.000	-.1139	-.0952	-.1466	-.2116	-.2151	-.2126	-.1871			-.0807	-.1398				
70.000	-.1008	-.0952	-.0245	.1170	.0389	.0270	.0457								
90.000	-.0577	-.0376	.0307	.0393	.0339	-.0224	-.0932								
105.000		.1184	.0729	-.0388	-.0893	-.1167									
110.000															
120.000	-.0370	-.0550	.3188	.0237	-.0685	-.0659	-.1035								
135.000		.4461	.246	-.0762	-.0552	-.1333									
150.000	-.0023	-.0900	.2442	.0143	-.0337	-.0721	-.1918								
165.000	-.0061	.1905		.0521	-.0953	-.2489									
180.000	-.0037	.0676	.1846	.3275											

MACH (1) = .596 BETA (3) = .020

DEPENDENT VARIABLE CP

SECTION (1) ORBITER FUSELAGE

X/LB	.0000	.0080	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PHI															
.000	1.0960	.3229	-.0588	-.1089	-.1590	-.1628		-.1162		-.0981	-.0706	-.0362	-.0404	-.0433	-.0438
20.000		-.0238	-.0868	-.1253	-.1474			-.1862		-.0984		-.1435	-.0828	-.0718	-.0091
40.000		.0956	-.0576	-.1058	-.1194			-.2088				-.1666			
55.000		.2035	.0422	.0346	-.0769			-.1546		-.1631	-.1917	-.0025	.0210		
70.000		.2699	.0954	-.0314	-.0510			-.1380		-.2424	-.2406	-.1080	-.0348	-.0015	
90.000		.4371	.2941	.1222	.0102	-.0459		-.1777		-.3140	-.2539	-.1215	-.0351	-.0021	

DATE 09 APR 75

CORB. FUSELAGE (RB2810)

ARC11-716 OA22 01

MACM ( 1 ) = .596    BETA ( 3 ) = .020

SECTION (1) ORBITER FUSELAGE

Year	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100																				
Population	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355	360	365	370	375	380	385	390	395	400	405	410	415	420	425	430	435	440	445	450	455	460	465	470	475	480	485	490	495	500	505	510	515	520	525	530	535	540	545	550	555	560	565	570	575	580	585	590	595	600	605	610	615	620	625	630	635	640	645	650	655	660	665	670	675	680	685	690	695	700	705	710	715	720	725	730	735	740	745	750	755	760	765	770	775	780	785	790	795	800	805	810	815	820	825	830	835	840	845	850	855	860	865	870	875	880	885	890	895	900	905	910	915	920	925	930	935	940	945	950	955	960	965	970	975	980	985	990	995	1000

149

[illegible]

-4183

1.451222	.3629	.2792	.2029	.1930	-.5598	-.3225	-.1493	-.0499	-.0203
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[illegible]

2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466
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	.9630	1.0020	1.0210	1.0480
.....	.9270			
.....	.8270			
.....	.7910			
.....	.7700			
.....	.6450			

3

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2
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Variable	Mean	SD	Min	Max
Age	35.2	12.5	18	65
Gender	0.45	0.50	0	1
Marital Status	0.60	0.49	0	1
Education	12.5	1.5	9	16
Income	3500	1500	1000	7000
Health	0.75	0.43	0	1
Stress	0.65	0.48	0	1
Depression	0.30	0.46	0	1
Life Satisfaction	0.55	0.50	0	1
Resilience	0.40	0.50	0	1
Optimism	0.50	0.50	0	1
Gratitude	0.45	0.50	0	1
Forgiveness	0.40	0.50	0	1
Empathy	0.55	0.50	0	1
Compassion	0.45	0.50	0	1
Kindness	0.40	0.50	0	1
Generosity	0.35	0.50	0	1
Patience	0.45	0.50	0	1
Self-control	0.50	0.50	0	1
Emotional Stability	0.55	0.50	0	1
Psychological Well-being	0.60	0.50	0	1
Life Purpose	0.45	0.50	0	1
Meaning in Life	0.50	0.50	0	1
Existential Well-being	0.45	0.50	0	1
Transcendental Well-being	0.40	0.50	0	1
Humanistic Well-being	0.35	0.50	0	1
Postmodern Well-being	0.30	0.50	0	1
Contemporary Well-being	0.25	0.50	0	1
Traditional Well-being	0.20	0.50	0	1
Religious Well-being	0.15	0.50	0	1
Spiritual Well-being	0.10	0.50	0	1
Philosophical Well-being	0.05	0.50	0	1
Artistic Well-being	0.00	0.50	0	1
Scientific Well-being	0.00	0.50	0	1
Technological Well-being	0.00	0.50	0	1
Environmental Well-being	0.00	0.50	0	1
Social Well-being	0.00	0.50	0	1
Economic Well-being	0.00	0.50	0	1
Political Well-being	0.00	0.50	0	1
Cultural Well-being	0.00	0.50	0	1
Historical Well-being	0.00	0.50	0	1
Geographical Well-being	0.00	0.50	0	1
Biological Well-being	0.00	0.50	0	1
Chemical Well-being	0.00	0.50	0	1
Physical Well-being	0.00	0.50	0	1
Psychological Well-being	0.00	0.50	0	1
Spiritual Well-being	0.00	0.50	0	1
Philosophical Well-being	0.00	0.50	0	1
Artistic Well-being	0.00	0.50	0	1
Scientific Well-being	0.00	0.50	0	1
Technological Well-being	0.00	0.50	0	1
Environmental Well-being	0.00	0.50	0	1
Social Well-being	0.00	0.50	0	1
Economic Well-being	0.00	0.50	0	1
Political Well-being	0.00	0.50	0	1
Cultural Well-being	0.00	0.50	0	1
Historical Well-being	0.00	0.50	0	1
Geographical Well-being	0.00	0.50	0	1
Biological Well-being	0.00	0.50	0	1
Chemical Well-being	0.00	0.50	0	1
Physical Well-being	0.00	0.50	0	1
Psychological Well-being	0.00	0.50	0	1
Spiritual Well-being	0.00	0.50	0	1
Philosophical Well-being	0.00	0.50	0	1
Artistic Well-being	0.00	0.50	0	1
Scientific Well-being	0.00	0.50	0	1
Technological Well-being	0.00	0.50	0	1
Environmental Well-being	0.00	0.50	0	1
Social Well-being	0.00	0.50	0	1
Economic Well-being	0.00	0.50	0	1
Political Well-being	0.00	0.50	0	1
Cultural Well-being	0.00	0.50	0	1
Historical Well-being	0.00	0.50	0	1
Geographical Well-being	0.00	0.50	0	1
Biological Well-being	0.00	0.50	0	1
Chemical Well-being	0.00	0.50	0	1
Physical Well-being	0.00	0.50	0	1
Psychological Well-being	0.00	0.50	0	1
Spiritual Well-being	0.00	0.50	0	1
Philosophical Well-being	0.00	0.50	0	1

Variable	Mean	Standard deviation	Minimum	Maximum
Age	40.233	-.0918	-.1423	-.2134
Gender	-.0918	-.0918	-.2134	-.2134
Marital status	-.0918	-.0918	-.2134	-.2134
Education	-.0918	-.0918	-.2134	-.2134
Income	-.0918	-.0918	-.2134	-.2134
Health	-.0918	-.0918	-.2134	-.2134
Religion	-.0918	-.0918	-.2134	-.2134
Occupation	-.0918	-.0918	-.2134	-.2134
Political party	-.0918	-.0918	-.2134	-.2134
Attitude	-.0918	-.0918	-.2134	-.2134
Behavior	-.0918	-.0918	-.2134	-.2134
Values	-.0918	-.0918	-.2134	-.2134
Beliefs	-.0918	-.0918	-.2134	-.2134
Opinions	-.0918	-.0918	-.2134	-.2134
Preferences	-.0918	-.0918	-.2134	-.2134
Interests	-.0918	-.0918	-.2134	-.2134
Attitudes	-.0918	-.0918	-.2134	-.2134
Behaviors	-.0918	-.0918	-.2134	-.2134
Values	-.0918	-.0918	-.2134	-.2134
Beliefs	-.0918	-.0918	-.2134	-.2134
Opinions	-.0918	-.0918	-.2134	-.2134
Preferences	-.0918	-.0918	-.2134	-.2134
Interests	-.0918	-.0918	-.2134	-.2134
Attitudes	-.0918	-.0918	-.2134	-.2134
Behaviors	-.0918	-.0918	-.2134	-.2134
Values	-.0918	-.0918	-.2134	-.2134
Beliefs	-.0918	-.0918	-.2134	-.2134
Opinions	-.0918	-.0918	-.2134	-.2134
Preferences	-.0918	-.0918	-.2134	-.2134
Interests	-.0918	-.0918	-.2134	-.2134
Attitudes	-.0918	-.0918	-.2134	-.2134
Behaviors	-.0918	-.0918	-.2134	-.2134
Values	-.0918	-.0918	-.2134	-.2134
Beliefs	-.0918	-.0918	-.2134	-.2134
Opinions	-.0918	-.0918	-.2134	-.2134
Preferences	-.0918	-.0918	-.2134	-.2134
Interests	-.0918	-.0918	-.2134	-.2134
Attitudes	-.0918	-.0918	-.2134	-.2134
Behaviors	-.0918	-.0918	-.2134	-.2134
Values	-.0918	-.0918	-.2134	-.2134
Beliefs	-.0918	-.0918	-.2134	-.2134
Opinions	-.0918	-.0918	-.2134	-.2134
Preferences	-.0918	-.0918	-.2134	-.2134
Interests	-.0918	-.0918	-.2134	-.2134
Attitudes	-.0918	-.0918	-.2134	-.2134
Behaviors	-.0918	-.0918	-.2134	-.2134
Values	-.0918	-.0918	-.2134	-.2134
Beliefs	-.0918	-.0918	-.2134	-.2134
Opinions	-.0918	-.0918	-.2134	-.2134
Preferences	-.0918	-.0918	-.2134	-.2134
Interests	-.0918	-.0918	-.2134	-.2134
Attitudes	-.0918	-.0918	-.2134	-.2134
Behaviors	-.0918	-.0918	-.2134	-.2134
Values	-.0918	-.0918	-.2134	-.2134
Beliefs	-.0918	-.0918	-.2134	-.2134
Opinions	-.0918	-.0918	-.2134	-.2134
Preferences	-.0918	-.0918	-.2134	-.2134
Interests	-.0918	-.0918	-.2134	-.2134
Attitudes	-.0918	-.0918	-.2134	-.2134
Behaviors	-.0918	-.0918	-.2134	-.2134
Values	-.0918	-.0918	-.2134	-.2134
Beliefs	-.0918	-.0918	-.2134	-.2134
Opinions	-.0918	-.0918	-.2134	-.2134
Preferences	-.0918	-.0918	-.2134	-.2134
Interests	-.0918	-.0918	-.2134	-.2134
Attitudes	-.0918	-.0918	-.2134	-.2134
Behaviors	-.0918	-.0918	-.2134	-.2134
Values	-.0918	-.0918	-.2134	-.2134
Beliefs	-.0918	-.0918	-.2134	

[illegible]

	-0.983	.0227	-0.9591	-0.9382	-0.1259
90.000	-0.9834	-0.9781			

105.000	.1301	-.0892	-.1231	-.1333
				-.2008

[illegible][illegible]

135.000	.4608	.0149	-.1602	-.1233	-.1614
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Year	1970	1971	1972	1973	1974	1975
1970	152.000	.0166	.1752	.3049	.1551	-.1581
1971	152.000	.0166	.1752	.3049	.1551	-.1581
1972	152.000	.0166	.1752	.3049	.1551	-.1581
1973	152.000	.0166	.1752	.3049	.1551	-.1581
1974	152.000	.0166	.1752	.3049	.1551	-.1581
1975	152.000	.0166	.1752	.3049	.1551	-.1581

$$\text{MACH} \cdot 1) = .597 \quad \text{BETA} (4) = 5.020$$

SECTION / 1108BITER FIRST AGE

[illegible]

### CH3

.000	1.0729	.2939	-.0841	-.1168	-.1822	-.1825	-.1313	-.1057	-.0824	-.0449	-.0501	-.0461	-.0563
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Year	1950	1951	1952	1953	1954	1955	1956	1957
20.000	-0.0585	-0.1050	-0.1395	-0.1532	-0.1819	-0.1057		

	.0148	-.0924	-.1393	-.1343	-.2012	-.1381	-.1240	-.0798	-.0516	-.0121	.0055
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[illegible][illegible][illegible]

	.6287	.9255	- .0171	- .2417	- .4'94	- .3544	- .2948	- .0525	- .0254
30.000		.2140	.0374	- .0171	- .0102				
20.000									

[illegible]

	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2
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139.333 .2016 .1901 .1123 .1139  
-2298

Year	1943	1944
191.500		

CCC-957 156-000  
-1508 5071



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

ARC11-716 0A22 01 ORB. FUSELAGE (RB2B10)

MACH ( 1 ) = .597 BETA ( 4 ) = 5.020

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
165.000															
163.000															
174.000															
180.000	1.0720	.5801	.3609	.2789	.2270	.2337	.5595	.4009							
X/LB	.6330	.7300	.7610	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					

PMI

.000	-.0637	-.0915	-.1454	-.2067	-.2139	-.2579	-.2216								
40.000	-.0774	-.0915	-.1361	-.1933	-.2154	-.2248	-.1671								
70.000	-.1468	-.1683	-.1326	-.0072	-.0623	-.0506	-.0894								
90.000	-.0953	-.1106	-.1031	-.0489	-.1033	-.0932	-.1314								
105.000			-.0560	-.1359	-.1462	-.1591	-.1573								
110.000															
120.000	-.0435	-.0263	-.1066	-.3566	-.2353	-.1850	-.1795								
135.000			.4340	-.1222	-.3040	-.2320	-.2332								
150.000	-.0090	.0724	.3068	.1663	-.3112	-.2609	-.2639								
165.000	-.0090			.2212	-.2359	-.2886	-.1852								
180.000	-.0064	.0724	.1892	.3831											

MACH ( 1 ) = .600 BETA ( 5 ) = 9.940

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
20.000	.9873	.2380	-.1307	-.1459	-.1995	-.2047									
40.000		-.1137	-.1535	-.1847	-.1816										
60.000		-.0937	-.1511	-.1718	-.1578										
80.000		-.0562	-.1494	-.1822	-.1789										
100.000		-.0205	-.1541	-.2126	-.2049										
120.000	-.0221	-.0123	-.1555	-.2686	-.2271										
140.000		.0425	-.1750	-.1669	-.1558										
160.000															
180.000															
200.000															
220.000															
240.000															
260.000															
280.000															
300.000															
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360.000															
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DATE 09 APR 75

CR8. FUSELAGE (RB2B10)

MACH ( 1 ) = .003      BETA ( 5 ) = 9.940

SECTION 1100B ITER FUSELAGE

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2
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iii

0.000	-0.769	-0.782	-1.548	-2.205	-2.115	-2.661	-2.237
40.000	-0.716	-0.682	-1.333	-1.997	-2.281	-2.392	-1.645
70.000	-1.583	-1.607	-1.787	-0.447	-0.019	-0.031	-0.982
90.000	-1.133	-1.336	-1.745	-1.228	-1.559	-1.497	-1.704
95.000			-1.383	-2.257	-1.983	-1.910	-1.757
10.000							
20.000	-0.786	-0.844	-3.243	-3.718	-3.204	-2.525	-2.211
35.000			3.389	-3.843	-5.126	-3.756	-3.267
50.000	-0.631	-0.128	2.855	1.562	-5.280	-3.821	-3.264
65.000	-0.631		1.650		-4.552	-4.124	-2.392
80.000							
90.000	-0.761	-0.128	1.072	2.450			

$$\text{MACH} (2) = .900 \quad \text{BETA} (1) = -9.930$$

SECTION (1) ORBITER FUSE AGE

[illegible]

### III

[illegible][illegible]

1

Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100																																																																																		
1951	1.000	-0.001	-0.002	-0.003	-0.004	-0.005	-0.006	-0.007	-0.008	-0.009	-0.010	-0.011	-0.012	-0.013	-0.014	-0.015	-0.016	-0.017	-0.018	-0.019	-0.020	-0.021	-0.022	-0.023	-0.024	-0.025	-0.026	-0.027	-0.028	-0.029	-0.030	-0.031	-0.032	-0.033	-0.034	-0.035	-0.036	-0.037	-0.038	-0.039	-0.040	-0.041	-0.042	-0.043	-0.044	-0.045	-0.046	-0.047	-0.048	-0.049	-0.050	-0.051	-0.052	-0.053	-0.054	-0.055	-0.056	-0.057	-0.058	-0.059	-0.060	-0.061	-0.062	-0.063	-0.064	-0.065	-0.066	-0.067	-0.068	-0.069	-0.070	-0.071	-0.072	-0.073	-0.074	-0.075	-0.076	-0.077	-0.078	-0.079	-0.080	-0.081	-0.082	-0.083	-0.084	-0.085	-0.086	-0.087	-0.088	-0.089	-0.090	-0.091	-0.092	-0.093	-0.094	-0.095	-0.096	-0.097	-0.098	-0.099	-0.100	-0.101	-0.102	-0.103	-0.104	-0.105	-0.106	-0.107	-0.108	-0.109	-0.110	-0.111	-0.112	-0.113	-0.114	-0.115	-0.116	-0.117	-0.118	-0.119	-0.120	-0.121	-0.122	-0.123	-0.124	-0.125	-0.126	-0.127	-0.128	-0.129	-0.130	-0.131	-0.132	-0.133	-0.134	-0.135	-0.136	-0.137	-0.138	-0.139	-0.140	-0.141	-0.142	-0.143	-0.144	-0.145	-0.146	-0.147	-0.148	-0.149	-0.150	-0.151	-0.152	-0.153	-0.154	-0.155	-0.156	-0.157	-0.158	-0.159	-0.160	-0.161	-0.162	-0.163	-0.164	-0.165	-0.166	-0.167	-0.168	-0.169	-0.170	-0.171	-0.172	-0.173	-0.174	-0.175	-0.176	-0.177	-0.178	-0.179	-0.180	-0.181	-0.182	-0.183	-0.184	-0.185	-0.186	-0.187	-0.188	-0.189	-0.190	-0.191	-0.192	-0.193	-0.194	-0.195	-0.196	-0.197	-0.198	-0.199	-0.200	-0.201	-0.202	-0.203	-0.204	-0.205	-0.206	-0.207	-0.208	-0.209	-0.210	-0.211	-0.212	-0.213	-0.214	-0.215	-0.216	-0.217	-0.218	-0.219	-0.220	-0.221	-0.222	-0.223	-0.224	-0.225	-0.226	-0.227	-0.228	-0.229	-0.230	-0.231



DATE 09 APR 75 TABULATED PRESSURE DATA - QAZZA

(RD2810)

ORB. FUSELAGE

ARC11-716 QAZZ 01

MACH (2) = .900 BETA (1) = -9.930

DEPENDENT VARIABLE CP

SECTION (1) ORBITER FUSELAGE

X/LB .6530 .7300 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480

PMI

120.000 -.1084 .0033 .4443 .1695 .0172 .0284 -.0454 -.1500  
135.000 .4224 .0754 .0083 .0376 -.0947  
150.000 -.0663 .0679 .2254 .1106 .1132 .0593 -.2001  
155.000 -.1578 .2034 .2048 .0528 -.3451  
160.000 -.0576 .0503 .2252 .3865

MACH (2) = .901 BETA (2) = -4.930

DEPENDENT VARIABLE CP

SECTION (1) ORBITER FUSELAGE

X/LB .0000 .0000 .0230 .0470 .0700 .1120 .1590 .1670 .1780 .2050 .2520 .3010 .3790 .4990 .5760

PMI

.000 1.2370 .4573 .0291 -.0691 -.1444 -.1717 -.1718  
20.000 .3905 -.0300 -.1080 -.1640 -.2618  
40.000 .2710 .0334 -.0661 -.1088 -.3008  
55.000 .4254 .2036 .0991 .0173 -.1151  
70.000 .5163 .2971 .1538 .1151 -.0254  
90.000 .7347 .5343 .3424 .1931 .1438  
120.000 .5510 .3274 .2351 .2941 .1719  
140.000 .4955 .3880 .3086 .3334 .2908  
150.000 .6324  
155.000 .3464  
160.000 .6826  
165.000 .8076  
174.000 .5001  
180.000 .10870 .8784 .0038 .0016  
1.2070 .7259 .4271 .3481 .3012 .3222 .9630 1.0020 1.0210 1.0480

X/LB .6530 .7300 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480

PMI

.000 -.0412 -.0711 -.1319 -.2631 -.3849 -.4879 -.2398  
40.000 -.1137 -.0866 -.1409 -.2618 -.3832 -.4435 -.2145  
70.000 .0375 .2037 .0454 .1037 .0078 .0461 .0323  
90.000 .0619 .1231 .0210 .0802 .0145 .0032 .0794  
100.000 .1257 .0302 .0570 .0579 .1030  
110.000 .0355 .0159 .0335 .0019 .0833 .0435 .0948  
120.000 .5056 .0837 .0696 .0350 .1383  
135.000 .0109 .0367 .3029 .1482 .0337 .0477 .2402  
150.000 .0363 .2335 .0402 .0585 .2831  
160.000 .0321 .0338 .2510 .3827  
1.0419 .1265  
-.0697 .1151  
-.2048  
-.1557

ORIGINAL PAGE IS  
OF POOR QUALITY

ARC11-716 CM22 01

ORB. FUSELAGE

(RB2810)

MACH ( 2 ) = .902 BETA ( 3 ) = .030

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CF

X/LB	.0000	.0080	.0230	.0470	.0730	.1120	.1590	.1670	.1780	.2090	.2520	.3010	.3790	.4990	.5760
CHI															
.000	1.2200	.4710	.0390	-.0514	-.1386	-.1709		-.1624		-.1669	-.1972	-.0374	-.0340	.0008	.0076
20.000			.0766	-.0243	-.0986	-.1458		-.2339		-.1684					
40.000			.1978	.0124	-.0798	-.1007		-.2528		-.2164	-.3306	-.0866	-.0478	.0179	.0507
55.000			.3063	.1043	.0071	-.0435		-.1732		-.2330					
70.000			.3715	.1618	.0477	.0130		-.1241		-.2802	-.7603	-.0959	.0059	.0306	
90.000		.5519	.3888	.2018	.0658	.0319		-.1355		-.3548	-.7068	-.1308	.0065	.0316	
120.000			.4472	.2535	.1851	.2002		.0446		-.4261	-.6933	-.2273	.0169	.0153	
140.000										-.5284					
150.000			.4508	.3543	.2635	.2939			.1784	-.8384	-.9599	-.1738	.0251	.0128	
151.000								.5321							
152.000									.2617	-.9075	-.8555	-.1017	.0244	.0083	
153.000								.6489							
154.000					.7864										
155.000				.4473	.3699	.3154	.3408	.6232		-.9429	-.8851	-.1067	.0244	.0200	
156.000															
157.000															
158.000															
159.000															
160.000															

X/LB .6530 .7300 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480

CHI

.000	-.0328	-.0791	-.1519	-.2591	-.3841	-.4920	-.2883								
40.000		-.0803	-.1388	-.2574	-.3678	-.4918	-.2230		-.0317	-.1148					
70.000		-.1167	-.2112	-.3301	-.4125	-.4191	-.0307	-.0673	-.0562	-.1268					
90.000		-.0682	-.1275	-.0627	-.0497	-.1741	-.0749	-.1135							
105.000			.0239	-.1347	-.1943	-.1163	-.1345								
110.000								-.2056							
120.000		-.0185	.0232	.1349	-.1473	-.2163	-.1321	-.1544	-.1700						
135.000			.5112	.0609	-.2277	-.1601	-.1995								
150.000		.0156	.0393	.3403	.2133	-.2319	-.1975	-.2660							
155.000		.0154		.2797		-.1158	-.2110	-.2274							
160.000		.0146	.1049	.2635	.4567										

MACH ( 2 ) = .899 BETA ( 4 ) = .5100

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CF

X/LB	.0000	.0080	.0230	.0470	.0730	.1120	.1590	.1670	.1780	.2090	.2520	.3010	.3790	.4990	.5760
CHI															
.000	1.1930	.4435	.0147	-.0589	-.1559	-.1843		-.1684		-.1783	-.1889	-.0739	-.0392	-.0103	-.0107
20.000			.0377	-.0498	-.1168	-.1592		-.2242		-.1789					
40.000			.1028	-.0382	-.1108	-.1257		-.2451		-.2124	-.3121	-.0863	-.0411	.0153	.0570
55.000			.1749	.0335	-.0717	-.1340		-.2203		-.2838					
70.000			.2277	.0261	-.0690	-.0702		-.1913		-.3635	-.8318	-.1130	.0005	.0221	
90.000		.3444	.2448	.0550	-.0331	-.0735		-.2304		-.4804	-.8132	-.2330	.0156	.0271	



DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

ARC11-716 0422 01 ORB. FUSELAGE (R82810)

MACH ( 2 ) = .899 BETA ( 4 ) = 5.000

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/L	0.000	.0200	.0400	.0600	.0800	.1000	.1200	.1400	.1600	.1800	.2000	.2200	.2400	.2600	.2800	.3000	.3200	.3400	.3600	.3800	.4000	.4200	.4400	.4600	.4800	.5000
Phi																										
120.000																										
140.000																										
160.000																										
180.000																										
200.000																										
220.000																										
240.000																										
260.000																										
280.000																										
300.000																										
320.000																										
340.000																										
360.000																										
380.000																										
400.000																										
420.000																										
440.000																										
460.000																										
480.000																										
500.000																										

Phi

1.000

1.000

1.000

1.000

MACH ( 2 ) = .901 BETA ( 5 ) = 10.010

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/L	0.000	.0200	.0400	.0600	.0800	.1000	.1200	.1400	.1600	.1800	.2000	.2200	.2400	.2600	.2800	.3000	.3200	.3400	.3600	.3800	.4000	.4200	.4400	.4600	.4800	.5000
Phi																										
120.000																										
140.000																										
160.000																										
180.000																										
200.000																										
220.000																										
240.000																										
260.000																										
280.000																										
300.000																										
320.000																										
340.000																										
360.000																										
380.000																										
400.000																										
420.000																										
440.000																										
460.000																										
480.000																										
500.000																										

1.000

1.000

1.000

1.000

1.000

ORB. FUSELAGE (R82810)

ARC11-716 QAZ2 01

MACH ( 2 ) = .901 BETA ( 5 ) = 10.010

## SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0000	.0200	.0400	.0700	.1100	.1500	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
165.000								.4713							
163.000															
174.000							.6089								
183.000	1.1180	.6067	.3970	.2941	.2478	.2810		.4621							
X/LB	.6530	.7300	.7810	.8230	.8620	.9230	.9630	1.0020	1.0210	1.0480					
PMI															
.000	-.0371	-.0880	-.1631	-.2701	-.4034	-.4877	-.2569								
40.000	-.0473	-.0872	-.1529	-.2690	-.3946	-.4846	-.1666								
70.000	-.0986	-.1736	-.2120	-.1336	-.4449	-.2253	-.1445								
90.000	-.0553	-.1080	-.1661	-.2045	-.4838	-.3005	-.2077								
105.000		-.0989	-.3036	-.5250	-.3797	-.2185									
110.000															
120.000	-.0226	-.0040	-.2129	-.5803	-.6818	-.5132	-.3017								
135.000			.3351	-.2022	-.8921	-.8792	-.3215								
150.000	-.0209	.0643	.3583	.3588	-.5819	-.7247	-.4599								
165.000	-.0438	.2843	.2843	.3883	-.6362	-.2573									
180.000	-.0371	.0459	.2236	.4042											



DATE 09 APR 73

(RB2811) (00 NOV 73)

**CRB. FUSELAGE**

ARC11-716 0A22 01

### PARAMETRIC DATA

BETA	=	.000	ELEVON	=	.000
RUDDER	=	.000	SPDRK	=	35.000

BUCCER = .000 SFDRK = 35.000

## REFERENCE DATA

WAVE =	2.4210 30.FT.	WAVE =	29.5000 INCHES
LEW =	30.7000 1-INCHES	WAVE =	.0000 INCHES
WAVE =	30.7000 1-INCHES	WAVE =	.0000 INCHES
SCALE =	.0000 SCALE		

SEMDM1 CCCCC	=	BM A	SEMDM1 CCCCC		ADW
SEMDM1 CCCC					
SEMDM1 CCCC					

DATE = 30.7.93 TIMES 2400 = .0000 INCHES

31.000	1.4.008
31.001	1.4.008

WACH (1) = .395 ALPHA (1) = -14.373

SECTION 1.000000 FIRST AGE

DEPENDENT VARIABLE CP

[illegible]

DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

ORB. FUSELAGE (R82011)

MACH (1) = .597 ALPHA (2) = -9.790

SECTION (1) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/L	0.000	.0080	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
CHI															
0.00	.9764	-.1759	-.4141	-.3417	-.3510	-.2917		-.2015		-.1536	-.1204	-.0619	-.0943	-.1242	-.1753
20.000			-.4074	-.3548	-.3387	-.2987		-.2910		-.1762					
40.000			-.2930	-.4166	-.4156	-.3736		-.4592		-.339	-.2807	-.1974	-.1797	-.1630	-.2131
55.000			-.1053	-.2733	-.3455	-.3742		-.3850		-.3232					
70.000			-.1004	-.0840	-.1582	-.1831		-.2545		-.3238	-.2472	-.0667	.0513	.1227	
90.000		.3914	-.2141	-.0005	-.1053	-.1847		-.3145		-.3950	-.2870	-.1115	.0070	.0935	
120.000			.4213	.2238	.1422	.1107		-.1518		-.2599	-.3386	-.3408	-.0875	-.0110	
140.000										-.2809					
150.000			.5912	.4957	.4008	.3612			.0769	-.3522	-.1635	-.0745	.0047	.0569	
160.000								.4427							
170.000									.2032						
180.000	.9784	.9027	.6425	.5511	.4859	.4622	.7754	.6285		-.7342	-.1160	-.0800	.0159	.0610	
190.000	.6530	.7330	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					

CHI															
0.000	-.2024	-.2130	-.2505	-.2909	-.2707	-.3020	-.2476								
20.000	-.3415	-.2741	-.2863	-.3126	-.2937	-.2525	-.1962		-.0816	-.1448					
40.000	.1020	.0242	.0206	.1088	.0058	-.0127	-.0775		-.0825	-.1505					
60.000	.1094	.0685	.0445	.0557	-.0193	-.0425	-.1157								
80.000		.0831	.0025	-.0609	-.1079	-.1351		-.2389							
100.000								-.1898							
120.000	.0899	.1120	.0496	-.2376	-.1538	-.1449	-.1695								
140.000		.6572	.0707	-.1449	-.1372	-.1892									
160.000	.1268	.2068	.4441	.3077	-.0758	-.1097	-.2232								
180.000	.1279		.3500		-.0071	-.1234	-.2571								
190.000	.1341	.2054	.3314	.5917											

MACH (1) = .598 ALPHA (3) = -4.790

SECTION (1) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/L	0.000	.0080	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
CHI															
0.000	1.0630	.9928	-.2554	-.2300	-.2589	-.2294		-.1693		-.1326	-.0985	-.0635	-.0771	-.0832	-.1076
20.000			-.2125	-.2166	-.2300	-.2215		-.2400		-.1401					
40.000			-.0732	-.2145	-.2482	-.2288		-.3269		-.2315	-.1963	-.1363	-.1214	-.0826	-.0930
55.000			.0765	-.0868	-.1117	-.1834		-.2535		-.2239					
70.000			.2084	.0220	-.0537	-.1024		-.1935		-.2740	-.2406	-.0831	.0010	.0974	
90.000		.4329	.2713	.0635	-.0582	-.1006		-.2525		-.3526	-.2684	-.1104	-.0161	.0357	





DATE 28 APR 75  
TABULATED PRESSURE DATA - 0422A

CRB. FUSELAGE (R92011)

$$\text{MACM} (1) = .590 \quad \text{ALPHA} (3) = -4.793$$

SECTION 1 INHIBITOR FUSelage

DEPENDENT VARIABLE CP

[illegible]

133

100.000	-1.1286	-1.1428	-1.1963	-1.2524	-1.3305	-1.4271	-1.5295	-1.6294	-1.7364
110.000	-1.1316	-1.1749	-1.1933	-1.2524	-1.3397	-1.4343	-1.5360	-1.6379	-1.7500
120.000	-1.1328	-1.1553	-1.2272	-1.2670	-1.3064	-1.394	-1.4732	-1.560	-1.6500
130.000	-1.1393	-1.2043	-1.2071	-1.3589	-1.3560	-1.3553	-1.4224	-1.5000	-1.5800
140.000	-1.1441	-1.3668	-1.3441	-1.3668	-1.3336	-1.4221	-1.5305	-1.6108	-1.7393
150.000	-1.1509	-1.3732	-1.3850	-1.3947	-1.502	-1.3440	-1.5445	-1.6493	-1.7933
160.000	-1.1571	-1.3771	-1.3771	-1.3771	-1.5114	-1.3325	-1.5784	-1.6784	-1.825
170.000	-1.1551	-1.3551	-1.3435	-1.3229	-1.5251	-1.444	-1.5315	-1.644	-1.7500
180.000	-1.1694	-1.3594	-1.2955	-1.3595	-1.5395	-1.4550	-1.5396	-1.6396	-1.7396
190.000	-1.1642	-1.3229	-1.2692	-1.3229	-1.5229	-1.4229	-1.5229	-1.6229	-1.7229

$$\alpha(1) = .590 \quad \alpha(4) = .100$$

DEPENDENT VARIABLE OF  
3270869 COLLECT (1) MILLIONS

1950	1.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
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MACH (1) = .597 ALPHA (6) = 10.260

(R82811)

ORB. FUSELAGE

SECTION (1) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/Y'S .6530 .7500 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480

PMI

120.000 -.1827 -.0503 .0375 -.0794 -.1534 -.1289 -.1413 -.1679  
 135.000 .3286 -.0758 -.1818 -.1376 -.1718  
 150.000 -.1024 -.0047 .2007 .0612 -.2253 -.1913 -.2271  
 165.000 -.0649 .1476 -.1445 -.2221 -.2247  
 180.000 -.0374 .0227 .1452 .4264

MACH (1) = .597 ALPHA (7) = 14.850

SECTION (1) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/Y'S .9000 .9380 .9230 .9470 .9700 .1120 .1590 .1670 .1780 .2050 .2520 .3010 .3790 .4990 .5760

PMI

20.000 .8966 .8895 .4916 .3213 .2139 .1393 .1197 .1195 .1194 .1426 .1463 .1692 .1854  
 40.000 .5032 .3400 .2351 .1504 .1073 .0648 .0389 .0067 .0545 .1586 .2370  
 60.000 .4746 .2911 .2167 .1308 .0245 .1532 .1198  
 80.000 .2990 .1262 .0172 -.0454 -.1153  
 100.000 .2066 .0757 -.0019 -.0436 -.1153  
 120.000 .1933 .1270 .0336 -.0703 .0463 .1542  
 140.000 .0301 .1352 .1196 .0630 .1306  
 160.000 -.0688 -.0811 -.1080 .0224  
 180.000 .2439  
 200.000 .2918  
 220.000 .4593  
 240.000 .2223  
 260.000 .2223  
 280.000 .2223  
 300.000 .2223  
 320.000 .2223  
 340.000 .2223  
 360.000 .2223  
 380.000 .2223  
 400.000 .2223  
 420.000 .2223  
 440.000 .2223  
 460.000 .2223  
 480.000 .2223  
 500.000 .2223  
 520.000 .2223  
 540.000 .2223  
 560.000 .2223  
 580.000 .2223  
 600.000 .2223  
 620.000 .2223  
 640.000 .2223  
 660.000 .2223  
 680.000 .2223  
 700.000 .2223  
 720.000 .2223  
 740.000 .2223  
 760.000 .2223  
 780.000 .2223  
 800.000 .2223  
 820.000 .2223  
 840.000 .2223  
 860.000 .2223  
 880.000 .2223  
 900.000 .2223  
 920.000 .2223  
 940.000 .2223  
 960.000 .2223  
 980.000 .2223  
 1000.000 .2223

X/Y'S .6530 .7500 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480

PMI

20.000 .2043 .1476 .0714 -.0094 -.0709 -.1585 -.1586  
 40.000 .2140 .1709 .0986 .0007 -.1108 .1344 .1276  
 60.000 .5984 -.4571 -.3024 .0846 .1123 .0823 .1007  
 80.000 .4430 .3266 .2235 .1153 .1445 .1085 .1385  
 100.000 .1022 .1639 .1692 .1636 .1633  
 120.000 .2320 .1018 .0052 .1346 .1927 .1583 .1561  
 140.000 .3071 .1737 .2102 .1848 .2083  
 160.000 .1939 .0335 .1903 .0959 .2564 .1334 .2598  
 180.000 .0893 .1401 .1671 .2340 .2395  
 200.000 .0805 .0314 .1240 .4346



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

ORB. FUSELAGE (RB2811)

MACH (2) = .902 ALPHA (1) = -14.470

SECTION (1) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0200	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI	1.0280	-1.694	-4.537	-4.466	-3.581	-3.851		-3.668		-2.683	-0.756	-0.0101	-0.0402	-0.0618	-0.1049
25.000		-4.452	-4.813	-3.911	-3.973			-4.4684		-3.556					
43.000		-3.303	-3.992	-6.114	-5.716			-7.594		-6.287	-4.876	-2.811	-1.929	-1.552	-1.1977
55.000		-1.202	-3.924	-7.717	-5.897			-6.141		-5.730					
73.000		.1451	-0.950	-1.1793	-2.340			-3.872		-4.614	-3.989	.0106	.1332	.2306	
90.000		.4876	.2930	.0537	-1.276	-2.250		-4.058		-5.455	-7.492	-0.649	.0760	.1740	
123.000			.5550	.3346	.2330	.1995		-0.897		-3.205	-4.218	-4.555	-1.163	.0273	
140.000										-1.050					
150.000			.7802	.6710	.5716	.5212			.2798	-5.813	-1.267	-1.024	.0632	.1436	
151.000								.6038							
156.000									.4251						
162.000				.8664	.7434	.6324				-6.390	-0.0208	-0.0932	.0873	.1595	
165.000								.7936							
163.000						.9251									
174.000								.8053		-8.051	.0000	-0.0271	.0968	.1773	
180.000	1.0280	1.1000	.8664	.7434	.6720	.6324									
X/LB	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					

PMI	-2.570	-4.787	-5.846	-6.706	-5.334	-5.603	-6.536								
40.000		-4.641	-5.952	-6.155	-4.319	-6.699	-6.555	-5.881							
70.000		.2803	.1885	.1368	.1800	.0234	.0048	-1.042							
90.000		.2472	.1885	.1291	.1254	.0118	-0.0230	-1.287							
103.000			.1967	.0654	-0.0222	-0.0762	-1.1436								
110.000								-2.861							
120.000	.2251	.2471	.1316	-1.382	-1.178	-1.347	-1.1975	-2.560							
135.000		.7521	.1956	-1.157	-1.122	-2.407									
150.000	.2493	.3390	.5955	.4735	.0073	-0.0352	-2.846								
165.000	.2558	.5037	.5037	.0984	-0.0198	-3.037									
180.000	.2578	.3399	.4814	.6755											

MACH (2) = .901 ALPHA (2) = -9.870

SECTION (1) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0200	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI	1.1260	.0377	-3.088	-2.934	-3.583	-3.139		-2.679		-2.838	-1.264	-0.0322	-0.0376	-0.0354	-0.0601
20.000		-2.836	-3.002	-3.537	-3.157			-3.694		-3.165					
43.000		-1.1486	-3.405	-4.087	-4.135			-6.070		-5.299	-2.513	-1.421	-1.149	-0.683	-0.0820
55.000		.0477	-1.089	-2.886	-3.595			-4.4643		-4.955					
73.000		.2585	.0047	-0.069	-1.290			-2.876		-4.613	-7.623	-0.0035	.0896	.1557	
90.000		.5359	.3479	.1197	-0.3281	-1.172		-3.105		-5.508	-7.617	-0.0617	.0534	.1292	

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MACH ( 2 ) = .901 ALPHA ( 2 ) = -9.870

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ORB. FUSELAGE

(NB2811)

## SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB .0000 .0080 .0230 .0470 .0700 .1120 .1590 .1670 .1780 .2030 .2320 .3010 .3790 .4990 .5760

CHI

120.000 .5405 .3306 .2348 .2074 -.0451 -.3892 -.6972 -.3384 -.0461 .0426

140.000

140.000 -.2715

150.000

150.000 -.6929 -.6485 -.0755 .0310 .0914

151.000

.2412

156.000

.5804

162.000

.3666

165.000

-.7405 -.3275 -.0445 .0390 .0958

169.000

.7460

174.000

.8834

180.000

.7451

X/LB

1.1260 1.0030 .7405 .6214 .5537 .5387 .7451 -.0968 -.2139 -.0242 .0437 .1100

.6530 .7300 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480

CHI

.000 -.2092 -.3320 -.4449 -.4987 -.5270 -.5914 -.3730 -.0417 -.1294

40.000

-.0937 -.1750

70.000

.1785 .0810 .0551 .1066 -.0315 -.0324 -.1062

90.000

.1743 .1223 .0816 .0565 -.0507 -.0617 -.1373

105.000

.1385 -.0261 -.0943 -.1236 -.1598

110.000

-.2634

120.000

-.2450

135.000

.1597 .1859 .1508 -.1920 -.1608 -.1631 -.2039

150.000

.7075 .1605 -.1500 -.1650 -.2443

155.000

.1762 .2617 .5301 .3969 -.0796 -.0364 -.2876

165.000

.1737 .4354

180.000

.1815 .2617 .4113 .6110

MACH ( 2 ) = .902 ALPHA ( 3 ) = -4.830

## SECTION ( 1 ) ORBITER FUSELAGE

## DEPENDENT VARIABLE CP

X/LB .0000 .0080 .0230 .0470 .0700 .1120 .1590 .1670 .1780 .2030 .2320 .3010 .3790 .4990 .5760

CHI

.000 1.1360 .2672 -.1356 -.1744 -.2435 -.2378 -.2228 -.2507 -.1918 -.0321 -.0393 -.0242 -.0455

20.000

-.2638

29.000

-.3033

40.000

-.3948 -.4012 -.0977 -.0628 -.0147 -.0185

55.000

-.3518

70.000

.1987 .0120 .1199 .1701

90.000

.3217 .1030 .0023 .0462

105.000

.5571 .5829 .1742 .0126 .0363

120.000

.5011 .2997 .2116 .2085

140.000

.5732 .4588 .3741 .3634

150.000

.2049

155.000

.5553

165.000

.3103

180.000



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

ORB. FUSELAGE (R82811)

ARC11-716 0A22 01

MACH ( 2 ) = .902 ALPHA ( 3 ) = -4.830

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2030	.2520	.3010	.3790	.4590	.5760
PMI															
165.000								.6964							
169.000							.8340								
174.000								.6838							
180.000	1.1980	.8711	.5932	.4921	.4325	.4389									
X/LB	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					
PMI															
.000	-.1473	-.2329	-.2792	-.3708	-.4832	-.5714	-.1804								
40.000	-.2276	-.2385	-.2821	-.3718	-.4646	-.4373	-.1977								
70.000	-.0393	-.0450	-.0415	-.0298	-.0879	-.0325	-.0835								
90.000	.0636	.0132	.0041	-.0143	-.1078	-.0714	-.1289								
105.000		.0758	-.1035	-.1453	-.1254	-.1449									
110.000							-.2187								
120.000	.0795	.1101	.1432	-.1813	-.1635	-.1547	-.1691								
135.000		.6159	.1112	-.1747	-.1652	-.2129									
150.000	.0879	.1853	.4432	.3123	-.1739	-.1489	-.2880								
165.000	.0919		.3636		-.0945	-.1485	-.2863								
180.000	.0951	.1830	.3436	.5413											

MACH ( 2 ) = .900 ALPHA ( 4 ) = .180

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2030	.2520	.3010	.3790	.4590	.5760
PMI															
.000	1.2180	.4792	.0466	-.0458	-.1340	-.1680									
20.000		.0837	-.0209	-.0957	-.1451										
40.000		.1956	.0193	-.0703	-.0957										
55.000		.2999	.1052	.0037	-.0461										
70.000		.3591	.1564	-.0400	.0134										
90.000	.5414	.3837	.1960	.0612	.0329										
120.000		.4399	.2432	.1817	.1966										
140.000		.4404	.3476	.2548	.2843										
150.000															
151.000								.5283							
156.000								.2346							
162.000															
165.000								.6461							
174.000							.7875								
180.000	1.2180	.7101	.4374	.3606	.3073	.3371									
X/LB	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					
PMI															
.000															
20.000															
40.000															
55.000															
70.000															
90.000															
120.000															
140.000															
150.000															
151.000															
156.000															
162.000															
165.000															
174.000															
180.000															

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(RB2811)

ORB. FUSELAGE

ARC11-716 0422 01

MACH ( 2 ) = .900 ALPHA ( 4 ) = .100

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB .8530 .7500 .7010 .8230 .8020 .9230 .9530 1.0020 1.0210 1.0480

PMI

.000 -.0341 -.0796 -.1448 -.2553 -.3619 -.4934 -.2511  
40.000 -.0740 -.0798 -.1400 -.2563 -.3643 -.4748 -.1968  
70.000 -.1223 -.1306 -.1306 -.0148 -.1163 -.0190 -.0692  
90.000 -.0789 -.1334 -.0592 -.0583 -.1360 -.0675 -.1098  
105.000 .0186 -.1439 -.1933 -.1140 -.1359  
110.000  
120.000 -.0235 .0197 .1264 -.1727 -.1989 -.1316 -.1422  
135.000 .0556 .0378 -.2273 -.1539 -.1875  
150.000 .0128 .0909 .3411 .2108 -.2490 -.1817 -.2591  
155.000 .0174 .2760  
160.000 .0166 .1058 .2581 .4614

MACH ( 2 ) = .904 ALPHA ( 5 ) = 5.220

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB .0000 .0080 .0230 .0470 .0700 .1120 .1590 .1670 .1780 .2050 .2520 .3010 .3790 .4990 .5760

PMI

.000 1.2040 .6787 .2312 .0972 .0032 -.0635  
20.000 .2695 .1272 .0363 -.0363  
40.000 .3475 .1673 .0678 .0112  
55.000 .3813 .1912 .0871 .0352  
70.000 .3893 .1912 .0837 .0658  
90.000 .4987 .3609 .1809 .0445 .0655  
120.000 .3572 .1444 .1172 .1659  
140.000 .3075 .2099 .1522 .2165  
150.000  
155.000 .5150  
160.000 .6065  
174.000 .7336  
180.000 1.2040 .5325 .2802 .2264 .1922 .2483

PMI

.000 .0775 .0293 -.0334 -.1728 -.2888 -.4198 -.5557  
40.000 .0639 .0390 -.0363 -.1631 -.2947 -.4338 -.3522  
70.000 -.2615 -.4848 -.2685 -.0407 -.1042 -.0276 -.0768  
90.000 -.2332 -.3753 -.2573 -.0935 -.1359 -.0755 -.1137  
105.000 .0615 -.2089 -.1740 -.1144 -.1361  
110.000 -.2128





DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

ARC11-716 0A22 01 ORB. FUSELAGE (RB2811)

MACH ( 2 ) = .904 ALPHA ( 5 ) = 5.229

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB .6530 .7300 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480

CHI

120.000 -.1437 -.1199 -.0947 -.1670 -.2163 -.1115 -.1380 -.1673  
135.000 .3730 .0025 -.2933 -.1369 -.1754  
150.000 -.0788 -.0086 .2440 .1167 -.3531 -.1941 -.2404  
165.000 -.0644 .1778 -.2442 -.2320 -.2190  
180.000 -.0555 .0060 .1625 .3691

MACH ( 2 ) = .901 ALPHA ( 6 ) = 10.260

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CF

X/LB .0000 .0000 .0000 .0230 .0470 .0700 .1120 .1590 .1670 .1780 .2050 .2520 .3010 .3790 .4990 .5760

CHI

.0000 1.1420 .8530 .4147 .2471 .1373 .0535 .0318 .0190 -.0099 .0274 .0588 .1134 .1603  
20.000 .4430 .2722 .1715 .0817 -.0215  
40.000 .4604 .2852 .1955 .1163 -.0050  
55.000 .4118 .2331 .1239 .0549 -.0535  
70.000 .3683 .1934 .0711 .0225 -.0268  
90.000 .4258 .3103 .1694 .0477 .0335 -.0354  
120.000 .2496 .0592 .0407 .1158 .0351  
140.000 .1644 .1040 .0535 .1473  
150.000 .4952  
155.000 .1847  
160.000 .5692  
174.000 .6002  
180.000 1.1420 .3336 .1205 .1093 .0901 .1758 .5207  
X/LB .6530 .7300 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480

CHI

.0000 .1767 .1279 .0421 -.0729 -.1820 .3626 -.5191  
40.000 .1856 .1468 .0652 -.0611 -.2223 .3607 -.5110  
70.000 .3720 .6739 .4617 .0419 .1940 .1171 .1396  
90.000 .3360 .5327 .3027 .0839 .2330 .1641 .1733  
100.000 .1754 .1742 .2652 .2229 .1388  
110.000 .2336 .2330 .1389 .0866 .2769 .1907 .1993  
120.000 .2493 .0531 .2708 .2003 .2129  
130.000 .1566 .1366 .1537 .0643 .3216 .2416 .2559  
140.000 .1257 .0932 .2059 .2394 .2284  
160.000 .1108 .0861 .0771 .3294  
X/LB .6530 .7300 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480



DATE 09 APR 75 TABULATED PRESSURE DATA - OAZZA

(R82811)

ORB. FUSELAGE

ARC11-716 OAZZ 01

MACH (2) = .903 ALPHA (7) = 14.840

SECTION: (1) ORBITER FUSELAGE

DEPENDENT VARIABLE CP

X/LB	.0000	.0000	.0200	.0400	.0700	.1100	.1500	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PM1															
.000	1.0470	.9899	.5736	.3689	.2679	.1716		.1388		.1235	.0935	.1189	.1380	.1975	.2447
20.000		.5930	.4061	.2959	.1901			.0735		.1153					
40.000		.5428	.3753	.2817	.1848			.0674		.0541	-.0610	-.0093	.0668	.1922	.2921
55.000		.4103	.2236	.1196	.0327			-.0562		-.0794					
70.000		.3238	.1743	.0412	.0516			-.0157		-.1252	-.5117	-.3058	-.2849	-.1982	
90.000	.3312	.2327	.1180	-.0041	.0493			-.0236		-.1915	-.5967	-.2661	-.3134	-.1239	
120.000		.1319	-.0577	-.0552	.0586			.0365		-.3387	-.7221	-.5180	-.4778	-.1819	
140.000										-.4891					
150.000										-.6354	-.5551	-.5674	-.2879	-.0840	
151.000									.1428						
156.000															
162.000									.1645						
165.000										-.6398	-.5365	-.5854	-.2846	-.0145	
169.000															
174.000															
180.000	1.0470	.1190	-.0179	.0056	.0024	.1214		.6277		-.5847	-.5361	-.5785	-.2959	.0205	
X/LB	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					
W1															
.000	.2684	.2149	.1296	.0112	-.1084	-.2939	-.4447								
40.000	.2780	.2408	.1538	.0276	-.1778	-.2928	-.4432								
70.000	.5511	-.9056	-.2943	-.2767	-.5360	-.5270	-.2362								
90.000	-.4125	-.5793	-.2393	-.2565	-.4635	-.5341	-.1800								
105.000			-.1279	-.2230	-.4563	-.5814	-.1397								
110.000								-.2862							
120.000	-.2843	-.2446	-.0631	-.0377	-.4957	-.4605	-.2841								
130.000			.2075	-.0340	-.4079	-.3784	-.2681								
150.000	-.2651	-.1850	.1108	.0476	-.4908	-.4199	-.3478								
165.000	-.1762		.0733		-.3133	-.3882	-.2732								
180.000	-.1512	-.0362	.0613												





MACH ( 1 ) = .596 ALPHA ( 2 ) = -9.830

ARC11-716 0422 01

CRB. FUSELAGE

(R82812)

## SECTION ( 1 ) ORBITER FUSELAGE

## DEPENDENT VARIABLE CP

X/LB	.0000	.0060	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2030	.2320	.3010	.3790	.4990	.5760
CHI															
.000	.9721	-.1712	-.4143	-.3449	-.3390	-.2857		-.1995	-.1494	-.1142	-.0791	-.0965	-.1310	-.1810	
20.000			-.4035	-.3505	-.3384	-.2956		-.2720	-.1737						
40.000			-.2893	-.4223	-.4187	-.3750		-.4428	-.3369	-.2831	-.2002	-.1811	-.1670	-.2147	
55.000			-.1049	-.2721	-.3332	-.3556		-.3773	-.3210						
70.000			-.0381	-.0849	-.1582	-.1786		-.2485	-.3195	-.2534	-.0673	.0486	.1244		
90.000			.3884	.2093	-.0093	-.1104	-.1794	-.3061	-.3918	-.2896	-.1144	.0053	.0942		
120.000			.4218	.2204	-.1359	.1121		-.1521	-.3595	-.3099	-.3385	-.0860	-.0047		
140.000									-.2810						
150.000			.5806	.4858	.3916	.3571			-.3474	-.1855	-.0714	.0102	.0582		
155.000								.4286							
160.000									.2000						
170.000										-.7351	-.1176	-.0458	.0108	.0670	
175.000															
180.000															
185.000															
190.000															
195.000															
200.000															

X/LB	.6300	.7300	.7810	.8200	.8820	.9230	.9630	1.0020	1.0210	1.0480
CHI										
.000	-.2026	-.2227	-.2506	-.2932	-.2688	-.3053	-.2546		-.0958	-.1590
40.000	-.3421	-.2873	-.2895	-.3123	-.2915	-.2715	-.2029		-.0964	-.1714
70.000	.1913	.0079	.0364	.1130	.0108	-.0196	-.0853			
90.000	.1119	.0686	.0401	.0642	.0181	-.0453	-.1222			
110.000		.0849	.0132	-.0612	-.1113	-.1437				
120.000	.0879	.1131	.0488	-.2902	-.1471	-.1468	-.1780			
130.000		.6309	.0775	-.1344	-.1326	-.1950				
140.000	.1297	.2112	.4478	.3186	-.0621	-.0945	-.2164			
150.000	.1291	.3577	.3577	.0159	-.1002	-.2864				
160.000	.1285	.2124	.3545	.5918						

MACH ( 1 ) = .597 ALPHA ( 3 ) = -4.820

## SECTION ( 1 ) ORBITER FUSELAGE

## DEPENDENT VARIABLE CP

X/LB	.0000	.0060	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2030	.2320	.3010	.3790	.4990	.5760
CHI															
.000	1.0380	.0951	-.2351	-.2245	-.2549	-.2327		-.1637	-.1249	-.1009	-.0549	-.0831	-.0855	-.1131	
20.000			-.2047	-.2150	-.2321	-.2283		-.2233	-.1382						
40.000			-.0755	-.2134	-.2437	-.2358		-.3215	-.2268	-.1328	-.1344	-.1231	-.0802	-.0903	
55.000			.0776	-.0923	-.1735	-.1878		-.2429	-.2271						
70.000			.2567	.0179	-.0328	-.0345		-.1833	-.2782	-.2371	-.0863	.0359	.0366		
90.000			.4298	.0827	-.0318	-.0361		-.2272	-.3434	-.2612	-.1105	-.0123	.0337		



DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

088. FUSELAGE (R82812)

ARC11-716 0422 01

MACH ( 1 ) = .597 ALPHA ( 3 ) = -4.620

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/L	.0000	.0250	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI		.3961	.2046	.1303	.1204		-.1052		-.3627	-.3049	-.2846	-.0491	.0061	
123.000									-.3551					
140.000		.4827	.3746	.2312	.2761				-.4539	-.2647	-.1129	-.0302	.0157	
153.000							.0091							
151.000							.3865							
155.000								.0989						
162.000									-.9381	-.1957	-.1024	-.0299	.0142	
165.000														
163.000							.5341							
174.000						.6964								
183.000	1.0980	.7660	.5040	.4068	.3506	.3476	.5214		-1.2180	-.1846	-.0831	-.0214	.0236	
X/L	.8550	.7500	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480				

PMI														
.000	-.1294	-.1596	-.2010	-.2465	-.2409	-.2800	-.2375		-.0920	-.1464				
40.000	-.1915	-.1729	-.2049	-.2474	-.2415	-.2387	-.1888		-.1305	-.1771				
70.000	-.0101	-.0116	-.0166	.0723	-.0035	-.0219	-.0846							
90.000	.0195	-.0007	.0109	.0401	-.0361	-.0503	-.1324							
135.000		.0529	-.0374	-.0837	-.1221	-.1554								
110.000							-.2303							
120.000	.0408	.0729	.0852	-.1930	-.1395	-.1351	-.1605							
133.000		.5680	.0439	-.1421	-.1221	-.1806								
150.000	.0677	.1578	.3757	.2382	-.1102	-.1271	-.2306							
165.000	.0675	.2955		-.0488	-.1513	-.2740								
180.000	.0583	.1561	.2772	.5074										

MACH ( 1 ) = .598 ALPHA ( 4 ) = .090

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/L	.0000	.0250	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI		.3271	-.0503	-.1074	-.1631	-.1605	-.1203		-.0936	-.0716	-.0380	-.0465	-.0374	-.0489
23.000			-.0170	-.0747	-.1253	-.1444	-.1838		-.0981					
40.000		.0389	-.0324	-.1328	-.1161		-.2083		-.1395	-.1225	-.0779	-.0678	-.0149	-.0081
55.000		.2335	.1386	-.0336	-.0728		-.1555		-.1681					
70.000		.2721	.0864	-.0339	-.0412		-.1582		-.2444	-.2417	-.1093	-.0439	-.0044	
90.000	.4297	.2872	.1153	.0029	-.0394		-.1821		-.3204	-.2343	-.1227	-.0439	-.0021	
120.000		.5443	.1645	.1152	.1047		-.0866		-.5703	-.3150	-.2715	-.0453	-.0187	
140.000							-.4275		-.5701	-.3323	-.1508	-.0467	-.0137	
153.000		.3529	.2595	.1962	.1877			-.0479						
155.000							.3492							
177.000														
172.000														

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DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

(R82012)

ORB. FUSELAGE

ARC11-716 0422 01

MACH ( 1 ) = .597 ALPHA ( 5 ) = 5.190

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

Y/Z	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480
CHI										
.000	.0291	.0161	.0785	.1436	.1719	.2387	.2136		.0636	.1209
.0500	.0171	.0155	.0670	.1359	.1903	.2374	.1717		.0783	.1547
.1000	.0272	.0233	.1235	.0437	.0238	.0240	.0740			
.1500	.0191	.0151	.0656	.0135	.0661	.0715	.1377			
.2000		.0138	.0752	.0136	.1377	.1378				
.2500						.2209				
.3000	.0141	.0028	.0723	.0761	.1464	.1197	.1430			
.3500			.0757	.0102	.1568	.1134	.1551			
.4000	.0037	.0635	.2372	.1004	.1757	.1555	.2233			
.4500	.0184	.1861		.1117	.1320	.2535				
.5000	.0170	.0641	.1735	.3987						

MACH ( 1 ) = .596 ALPHA ( 6 ) = 10.220

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

Y/Z	.0000	.0300	.0600	.0900	.1200	.1500	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
CHI														
.000	1.0020	.7405	.3234	.1814	.0914	.0317	.0310	.0372	.0344	.0659	.0618	.0855	.1045	
.0500		.3493	.2053	.1221	.0527		.0310	.0310						
.1000		.3643	.2138	.1372	.0763		.03274	.0383	.0639	.0385	.0175	.1022	.1807	
.1500		.3114	.1517	.0568	.0358		.1140	.1533						
.2000		.2646	.1145	.0110	.0367		.1060	.2235	.2972	.1992	.1359	.1438		
.2500	.3313	.2058	.0849	.0103	.0387		.1431	.2302	.2843	.2312	.1476	.1362		
.3000		.1488	.0363	.0123	.0203		.0324	.4258	.3996	.3836	.2034	.1960		
.3500								.5562						
.4000		.0682	.0166	.0171	.0387			.7572	.4461	.1939	.0372	.0828		
.4500								.2730						
.5000								.1540						
.5500									.14700	.3143	.1684	.0840	.0734	
.6000								.3376						
.6500								.2797						
.7000									.17710	.2846	.1482	.0699	.0629	
.7500														
.8000														
.8500														
.9000														
.9500														
1.0000														

Y/Z	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480
CHI										
.000	.1146	.0486	.0111	.0799	.1214	.1983	.1868		.0603	.1400
.0500	.1193	.0650	.0173	.0763	.1457	.1670	.1483		.0624	.1447
.1000	.0306	.0102	.0157	.0334	.0414	.0239	.0653			
.1500	.0158	.0220	.0193	.0139	.0715	.0747	.1273			
.2000			.0114	.0177	.1108	.1341	.1495			
.2500										

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DATE 08 APR 75 TABULATED PRESSURE DATA - 0422A

(R02012)

ORB. FUSELAGE

ARC11-716 0422 01

MACH (1) = .596 ALPHA (6) = 10.220

SECTION 11 ORBITER FUSELAGE DEPENDENT VARIABLE CP

W/LB .6530 .7530 .7610 .8230 .8620 .9230 .9630 1.0020 1.0210 1.0480

PMI

123.000 -.1766 -.0472 .0408 -.0728 -.1492 -.1285 -.1444 -.1761  
 135.000 .3272 -.0651 -.1727 -.1303 -.1717  
 153.000 -.1031 .0311 .2377 .0678 -.2178 -.1814 -.2348  
 165.000 -.0665 .1575 .1362 -.2351 -.2555  
 183.000 -.0558 .0235 .1442 .4286

MACH (1) = .596 ALPHA (7) = 14.790

SECTION 11 ORBITER FUSELAGE DEPENDENT VARIABLE CP

W/LB .0000 .0000 .0000 .0470 .0700 .1120 .1530 .1670 .1780 .2050 .2520 .3010 .3790 .4990 .5760

PMI

.000 .8917 .8766 .4810 .3136 .2100 .1334 .1178 .1145 .1099 .1387 .1317 .1622 .1834  
 20.000 .4093 .2885 .2314 .1540 .1294  
 40.000 .4394 .2858 .2143 .1295 .1236 .1075 .0684 .0637 .1622 .2327  
 60.000 .2314 .1295 .0521 .1180 .1170  
 80.000 .2132 .0765 .0510 .0257 .1137 .1137  
 100.000 .1881 .1197 .0739 .0392 .1575 .1575  
 120.000 .1237 .0431 .1134 .0734 .1235  
 140.000 .0660 .0307 .1117 .0177 .1646  
 160.000 .2450 .1844  
 180.000 .2376 .16040 .3293 .1693 .0922 .1004  
 200.000 .2311 .2326 .19550 .2922 .1397 .0740 .0783

W/LB .6530 .7530 .7610 .8230 .8620 .9230 .9630 1.0020 1.0210 1.0480

PMI

.000 .1967 .1048 .0720 -.0109 .0649 .1683 .1639  
 20.000 .2091 .1662 .0924 .0014 .1164 .1420 .1346  
 40.000 .5877 .4483 .2486 .0779 .1203 .3876 .1118  
 60.000 .1465 .3266 .2136 .1114 .1382 .1104 .1479  
 80.000 .1333 .1686 .1654 .1561 .1190  
 100.000 .2327 .1110 .0548 .1686 .1945 .1359 .1665  
 120.000 .3063 .1677 .0265 .1793 .1389  
 140.000 .1896 .0600 .2307 .0387 .2437 .1837 .2922  
 160.000 .0948 .1432 .1731 .1261 .1258  
 180.000 .0795 .0319 .1244 .4425





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TABULATED PRESSURE DATA - 0422A

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MACH ( 2 ) = .903 ALPHA ( 1 ) = -14.490  
 SECTION 111081108 FUSELAGE DEPENDENT VARIABLE C<sub>F</sub>

W/B	.0000	.0060	.0200	.0470	.0700	.1120	.1590	.1670	.1780	.2030	.2520	.3010	.3790	.4990	.5760
741															
23.000	-.1652	-.4467	-.4365	-.3538	-.3780			-.3545		-.2467	-.0555	-.0032	-.0354	-.0329	-.1006
43.000		-.4446	-.4748	-.3818	-.3878			-.4501		-.3295					
63.000		-.5237	-.5859	-.5384	-.5516			-.7422		-.5323	-.4959	-.2644	-.1842	-.1441	-.1819
83.000		-.1151	-.3835	-.4637	-.5757			-.5384		-.5553					
103.000		-.1434	-.3835	-.4145	-.4233			-.3742		-.4573	-.4346	-.0169	-.1423	-.2319	
123.000	.4926	-.2941	-.0505	-.1237	-.2155			-.2370		-.5335	-.7670	-.0564	-.0831	-.1797	
143.000	.5573	.3408	-.2271	.2037	.2037			-.1347		-.3127	-.4141	-.5533	-.1066	-.0404	
163.000										-.10395					
183.000	.7821	.6704	.5716	.5228					.2853	-.5753	-.1235	-.1058	-.0705	-.1541	
203.000								.6354							
223.000									.4289						
243.000										-.6317	-.0222	-.0652	.0480	.1660	
263.000								.7933							
283.000							.9240								
303.000	1.1020	.8642	.7418	.6671	.6311			.8038		.7463	.0049	-.3223	.0986	.1862	
323.000	1.3300	.7810	.8230	.8820	.9230	.9630	.9630	1.0020	1.0210	1.0480					

741															
23.000	-.4789	-.5756	-.6667	-.4535	-.5337	-.6341			-.6220	-.1682					
43.000	-.6036	-.6108	-.4412	-.5513	-.6444	-.6252			-.1129	-.2215					
63.000	.1927	.1936	.1963	.0430	.0228	-.0805									
83.000	.1392	.1412	.1336	.0313	-.0303	-.1151									
103.000	.2705	.0777	.0005	-.0549	-.1317										
123.000															
143.000	.2359	.2541	.1374	-.1846	-.0091	-.1140	-.1772			-.2365					
163.000		.7620	.2160	-.0892	-.1100	-.1928									
183.000	.2390	.3469	.6042	.4943	.0417	.0043	-.2050								
203.000	.2663	.5177		.1287	.3157	-.4139									
223.000	.2669	.3351	.4920	.6738											

MACH ( 2 ) = .903 ALPHA ( 2 ) = -9.800  
 SECTION 111081108 FUSELAGE DEPENDENT VARIABLE C<sub>F</sub>

W/B	.0000	.0060	.0200	.0470	.0700	.1120	.1590	.1670	.1780	.2030	.2520	.3010	.3790	.4990	.5760
741															
23.000	-.3140	-.2992	.3672	.3125				-.2765		-.2878	-.1257	-.0285	.0370	-.0343	-.0886
43.000		-.2892	-.5313	-.3126				-.3673		-.3230					
63.000		-.1458	-.3131	-.4135	-.4242			-.5939		-.5348	-.2558	-.1436	-.1172	-.0653	-.0848
83.000		.0491	-.1934	-.2893	-.3585			-.4730		-.5006					
103.000	.2579	.0344	-.0612	-.1353				-.2859		-.4019	-.7385	-.0562	.0836	.1399	
123.000	.3341	.3472	.1174	-.0205	-.1234			-.3341		-.5315	-.7356	-.0559	.0599	.13	

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ARC11-716 0A22 01 (R82B12)

MACH (2) = .800 ALPHA (2) = -9.880

## SECTION (1) ORBITER FUSELAGE

## DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0230	.0470	.0700	.1120	.1990	.670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
120.000			.5388	.3269	.2333	.2055		-.0429		-.3962	-.6930	-.3525	-.0487	.0475	
140.000										-.2850					
150.000			.6886	.5760	.4725	.4411				-.6951	-.6581	-.0777	.0321	.0942	
151.000								.2428							
156.000								.5782							
162.000									.3669						
165.000										-.7424	-.3459	-.0441	.0445	.1002	
169.000								.7432							
174.000							.8765								
183.000	1.1230	1.0040	.7443	.6234	.5536	.5328		.7421		-.8961	-.2068	-.0211	.0504	.1111	
X/LB	.6530	.7300	.7610	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					

PMI

.000	-.2092	-.3816	-.4498	-.5114	-.5181	-.5997	-.4518		-.0491	-.1353					
40.000	-.3413	-.4459	-.4427	-.4705	-.5413	-.6155	-.2958		-.1083	-.1904					
70.000	.1764	.0904	.0613	.1136	-.0195	-.0261	-.1181								
91.000	.1761	.1258	.0856	.0713	-.0355	-.3526	-.1386								
105.000		.1412	-.0153	-.0800	-.0771	-.1586									
110.000							-.2864								
120.000	.1619	.1923	.1527	-.1987	-.1501	-.1388	-.1887								
135.000		.7119	.1673	-.1322	-.1338	-.1987									
150.000	.1761	.2714	.5308	.4084	-.0574	-.0567	-.2344								
165.000	.1753	.4391		.0245	-.0595	-.3443									
180.000	.1858	.2714	.4147	.6208											

MACH (2) = .898 ALPHA (3) = -4.840

## SECTION (1) ORBITER FUSELAGE

## DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
.000	1.1910	.2602	-.1375	-.1784	-.2479	-.2458		-.2295		-.2180	-.1615	-.0370	-.0431	-.0306	-.0455
20.000			-.1039	-.1663	-.2212	-.2305		-.3031		-.2331					
40.000			.0316	-.1517	-.2225	-.2314		-.2969		-.3780	-.3404	-.0993	-.0747	-.0202	-.0185
55.000			.1887	-.0141	-.1282	-.1705		-.2898		-.3499					
70.000			.3168	.0980	-.0005	-.0521		-.2301		-.3558	-.8159	-.0308	.0456	.0842	
90.000	.5539		.3768	.1708	.0021	-.0387		-.2225		-.4434	-.7358	-.0791	.0252	.0749	
120.000			.4956	.2940	.2357	.2341		-.0055		-.4480	-.6975	-.1791	-.0324	.0368	
140.000										-.4753					
150.000			.5659	.4561	.3684	.3585				-.7895	-.8450	-.0333	.0086	.0429	
151.000								.1955							
156.000								.5432							
162.000															



DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

ORB. FUSELAGE (RB2812)

MACH ( 2 ) = .898 ALPHA ( 3 ) = -4.840

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CF

X/LB	.0000	.0080	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
155.000															
159.000															
174.000															
183.000															
X/LB	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					
PMI															
155.000															
159.000															
174.000															
183.000															

PMI															
155.000															
159.000															
174.000															
183.000															

PMI															
155.000															
159.000															
174.000															
183.000															

MACH ( 2 ) = .902 ALPHA ( 4 ) = .210

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CF

X/LB	.0000	.0080	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
155.000															
159.000															
174.000															
183.000															
X/LB	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					
PMI															
155.000															
159.000															
174.000															
183.000															

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DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(RB2B12)

ORB. FUSELAGE

ARC11-716 0A22 01

MACH ( 2 ) = .900 ALPHA ( 5 ) = 5.170

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB .6530 .7330 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480

PMI 120.000 -1.1448 -1.1162 .0039 -1.6222 -1.1234 -1.1039 -1.1283 -1.1649

135.000 .3756 .0045 -1.1640 -1.1252 -1.1537

150.000 -1.0777 -1.0032 .2493 .1166 -1.2507 -1.1783 -1.2303

165.000 -1.0628 -1.1800 -1.1859 -1.2059 -1.2533

180.000 -1.0525 -0.0129 .1657 .3998

MACH ( 2 ) = .902 ALPHA ( 6 ) = 10.260

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CF

X/LB .0000 .0080 .0230 .0470 .0700 .1120 .1590 .1670 .1780 .2050 .2520 .3010 .3790 .4990 .5760

PMI 20.000 1.1380 .6520 .4138 .2459 .1386 .0539 .0329 .0165 -.0097 .0288 .0537 .1148 .1632

40.000 .4412 .2694 .1670 .0788 .0255 -.0255 -.0255 -.0255 -.0255 -.0255 -.0255 -.0255 -.0255

60.000 .4610 .2835 .1897 .1121 -.0114 -.0114 -.0114 -.0114 -.0114 -.0114 -.0114 -.0114 -.0114

80.000 .4103 .2355 .1242 .0194 -.0563 -.0563 -.0563 -.0563 -.0563 -.0563 -.0563 -.0563 -.0563

100.000 .3681 .1922 .0537 .0530 -.0259 -.0259 -.0259 -.0259 -.0259 -.0259 -.0259 -.0259 -.0259

120.000 .4207 .3091 .1651 .0465 .0394 -.0374 -.0374 -.0374 -.0374 -.0374 -.0374 -.0374 -.0374

140.000 .2476 .0446 .0387 .1152 .0363 .0363 .0363 .0363 .0363 .0363 .0363 .0363 .0363

160.000 .1639 .0969 .0528 .1443 .1458 .1458 .1458 .1458 .1458 .1458 .1458 .1458 .1458

180.000 .4967 .4967 .4967 .4967 .4967 .4967 .4967 .4967 .4967 .4967 .4967 .4967 .4967

200.000 .5702 .5702 .5702 .5702 .5702 .5702 .5702 .5702 .5702 .5702 .5702 .5702 .5702

220.000 .6769 .6769 .6769 .6769 .6769 .6769 .6769 .6769 .6769 .6769 .6769 .6769 .6769

240.000 .3216 .3216 .3216 .3216 .3216 .3216 .3216 .3216 .3216 .3216 .3216 .3216 .3216

260.000 .9630 .9630 .9630 .9630 .9630 .9630 .9630 .9630 .9630 .9630 .9630 .9630 .9630

280.000 .8820 .8820 .8820 .8820 .8820 .8820 .8820 .8820 .8820 .8820 .8820 .8820 .8820

300.000 .7810 .7810 .7810 .7810 .7810 .7810 .7810 .7810 .7810 .7810 .7810 .7810 .7810

320.000 .1213 .1213 .1213 .1213 .1213 .1213 .1213 .1213 .1213 .1213 .1213 .1213 .1213

340.000 .3276 .3276 .3276 .3276 .3276 .3276 .3276 .3276 .3276 .3276 .3276 .3276 .3276

360.000 .6530 .6530 .6530 .6530 .6530 .6530 .6530 .6530 .6530 .6530 .6530 .6530 .6530

380.000 .1789 .1789 .1789 .1789 .1789 .1789 .1789 .1789 .1789 .1789 .1789 .1789 .1789

400.000 .1858 .1858 .1858 .1858 .1858 .1858 .1858 .1858 .1858 .1858 .1858 .1858 .1858

420.000 -.3790 -.3790 -.3790 -.3790 -.3790 -.3790 -.3790 -.3790 -.3790 -.3790 -.3790 -.3790 -.3790

440.000 -.3075 -.3075 -.3075 -.3075 -.3075 -.3075 -.3075 -.3075 -.3075 -.3075 -.3075 -.3075 -.3075

460.000 .93.000 .93.000 .93.000 .93.000 .93.000 .93.000 .93.000 .93.000 .93.000 .93.000 .93.000 .93.000 .93.000

480.000 .1172 .1172 .1172 .1172 .1172 .1172 .1172 .1172 .1172 .1172 .1172 .1172 .1172

500.000 .2420 .2420 .2420 .2420 .2420 .2420 .2420 .2420 .2420 .2420 .2420 .2420 .2420

520.000 .2480 .2480 .2480 .2480 .2480 .2480 .2480 .2480 .2480 .2480 .2480 .2480 .2480

540.000 .1164 .1164 .1164 .1164 .1164 .1164 .1164 .1164 .1164 .1164 .1164 .1164 .1164

560.000 .1259 .1259 .1259 .1259 .1259 .1259 .1259 .1259 .1259 .1259 .1259 .1259 .1259

580.000 .165.000 .165.000 .165.000 .165.000 .165.000 .165.000 .165.000 .165.000 .165.000 .165.000 .165.000 .165.000 .165.000

600.000 .11072 .11072 .11072 .11072 .11072 .11072 .11072 .11072 .11072 .11072 .11072 .11072 .11072

620.000 .0702 .0702 .0702 .0702 .0702 .0702 .0702 .0702 .0702 .0702 .0702 .0702 .0702

640.000 .3209 .3209 .3209 .3209 .3209 .3209 .3209 .3209 .3209 .3209 .3209 .3209 .3209

660.000 .1865 .1865 .1865 .1865 .1865 .1865 .1865 .1865 .1865 .1865 .1865 .1865 .1865

680.000 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751

700.000 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751

720.000 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751

740.000 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751

760.000 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751

780.000 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751

800.000 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751

820.000 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751

840.000 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751

860.000 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751

880.000 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751

900.000 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751

920.000 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751

940.000 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751

960.000 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751

980.000 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751

1000.000 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751 .1751

MACH (2) = .900 ALPHA (7) = 14.840

ARC11-716 0422 01

ORB. FUSELAGE

(RB2812)

## SECTION (1) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4590	.5760
PM1															
.000	1.0460	.9916	.9739	.9664	.2647	.1732		.1393		.1197	.0945	.1293	.1477	.1981	.2376
20.000		.5894	.4048	.2905	.1922			.0703		.1112					
40.000		.5445	.3728	.2829	.1842			.0564		.0544	-.0594	-.0126	.0712	.2000	.2860
55.000		.4083	.2232	.1148	.0280			-.0568		-.0873					
70.000		.3238	.1570	.0465	.0440			-.0180		-.1339	-.3102	-.3050	-.2896	-.1963	
90.000		.3295	.2363	.1157	-.0083	.0446		-.0225		-.1948	-.6009	-.2423	-.3223	-.1243	
120.000		.1314	-.0654	-.0557	.0498			.0929		-.3411	-.7153	-.5212	-.4559	-.1805	
140.000										-.4932					
150.000		.0303	.0004	-.0386	.0940				.1413	-.5429	-.5446	-.5839	-.2759	-.0797	
151.000								.4758							
156.000									.1624						
162.000										-.6763	-.5560	-.5860	-.2638	-.0237	
165.000								.5399							
169.000															
174.000															
180.000	1.0460	.1382	-.0162	.0071	.0048	.1229	.6275	.4840		-.5910	-.5465	-.5719	-.2919	.0203	
X/LB	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					
PM1															
.000	.2632	.2139	.1271	.0088	-.1022	-.2966	-.4445		-.0293	-.1041					
40.000	.2830	.2391	.1511	.0294	-.1813	-.2916	-.4418		-.0329	-.1215					
70.000	.5632	-.3114	-.2647	-.2307	-.5488	-.4340	-.2473								
90.000	-.4133	-.6711	-.2308	-.2475	-.4603	-.5213	-.1776								
105.000		-.1243	-.2245	-.4730	.5550	-.1894									
110.000								-.2933							
120.000	-.2904	-.2237	-.0512	-.0260	-.5091	-.4318	-.1672	-.7277							
135.000		.2197	-.0307	-.4201	-.3213	-.2463									
150.000	-.2701	-.1872	.1248	.0469	-.4690	-.3826	-.3308								
165.000	-.1781		.0764		-.2874	-.3064	-.3076								
180.000	-.1524	-.0922	.0682	.3620											



### PARAMETRIC DATA

MACH	=	.600	ELEVON	=	.000
RUDDER	=	.000	SFCBRK	=	.000

## REFERENCE DATA

REF =	2.4210 SQ. FT.	XWP =	29.5800 INCHES
_REF =	38.7030 INCHES	YWP =	.0000 INCHES
BREF =	38.7030 INCHES	ZWP =	.0000 INCHES
SCALE =	.0000 SCALE		

$$\text{BETA}(1) = -9.673$$

SECTION: / COMPUTER FLUG AGE

[illegible]

**ORIGINAL PAGE IS  
OF POOR QUALITY**

DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

ARC11-716 0422 01 ORB. FUSELAGE (RB281J)

ALPHA (1) = -10.010 BETA (2) = 10.110

SECTION (1) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LS	.0000	.0080	.0200	.0400	.0700	.1100	.1500	.1670	.1780	.2000	.2300	.2520	.3010	.3790	.4990	.5760
PMI																
.000	.8553	-.2657	-.4819	-.3900	-.4060	-.3476		-.2380		-.1984	-.1329	-.1204	-.1311	-.1115	-.1115	-.2067
20.000		-.4377	-.3677	-.3265	-.2787			-.2572		-.1592						
40.000		-.3707	-.3676	-.3454	-.2781			-.2844		-.2087	-.1684	-.1331	-.1164	-.0856	-.1036	
55.000		-.2826	-.3750	-.3745	-.3577			-.3544		-.3049						
70.000		-.1990	-.3152	-.3541	-.3251			-.3504		-.3975	-.2902	-.0996	.0103	.0447		
90.000		-.1447	-.3437	-.4343	-.4326			-.5038		-.5362	-.3806	-.1693	-.0517	.0203		
120.000	-.0833	.0003	-.1190	-.2875	-.2853			-.5075		-.6700	-.5221	-.5900	-.3003	-.1686		
140.000		.2763	.2183	.1165	.0625					-.5277						
160.000									-.3456	-.6029	-.2882	-.2127	-.1555	-.1186		
180.000								-.0146								
200.000									-.1977							
220.000										-.8669	-.2155	-.1599	-.1080	-.0747		
240.000	.8553	.7641	.5578	.4453	.3803	.3593	.5134	.4011		-.10130	-.1878	-.1084	-.0627	-.0229		
260.000	.6330	.7330	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480						

PMI

.000	-.2144	-.2362	-.2628	-.2936	-.2665	-.3066	-.2521			-.1069	-.1663					
20.000	-.2321	-.2726	-.2451	-.2755	-.2780	-.2722	-.1893			-.0722	-.1544					
40.000	.0297	-.0741	-.0989	.0172	-.0029	-.0701	-.1099									
60.000	-.0300	-.1196	-.1842	-.1171	-.1696	-.1505	-.1872									
80.000		-.1090	-.1618	-.1580	-.1618	-.1573										
100.000										-.2212						
120.000	-.0341	-.0581	-.4305	-.6803	-.2770	-.2649	-.2662			-.2454						
140.000		.3722	-.4915	-.5969	-.4569	-.3807										
160.000	-.0380	.0206	.3554	.2474	-.4427	-.3612	-.3340									
180.000	-.0120	.2307		-.3374	-.3742	-.2265										
200.000	.0209	.0803	.1335	.3694												

ALPHA (2) = -1.110 BETA (1) = -9.380

SECTION (1) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LS	.0000	.0080	.0200	.0400	.0700	.1100	.1590	.1670	.1780	.2000	.2300	.2520	.3010	.3790	.4990	.5760
PMI																
.000	1.0133	.2451	-.1168	-.1926	-.2136	-.1989		-.1614		-.1375	-.1128	-.0773	-.0859	-.0728	-.0770	
20.000		-.0583	-.1435	-.2038	-.2208			-.2581		-.1679						
40.000		.1846	-.0629	-.1454	-.1850			-.3450		-.2493	-.2270	-.1896	-.1873	-.0849	-.0806	
60.000		.4272	-.2791	.1043	.0241			-.0568		-.0568						
80.000		.5541	.3480	.2315	.1516			-.0380		-.0848	-.1311	-.0267	.0388	.0618		
100.000	.8033	.5848	.4328	.2718	.2097			.0382		-.1193	-.1311	-.0449	.0170	.0433		





DATE 08 APR 75 TAE ATED PRESSURE DATA - 0422A

ORB. FUSELAGE (RB2513)

ALPHA ( 2 ) = -.110 BETA ( 1 ) = -9.980

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

V/L	0.000	0.060	0.230	0.470	0.790	1.120	1.590	1.670	1.780	2.050	2.520	3.010	3.790	4.990	5.780
CHI															
120.000		.5709	.3826	.3230	.2934			.1676		-.1385	-.2249	-.2533	-.0809	-.0796	
140.000										-.2302					
150.000		.4171	.3058	.2399	.2537					-.4331	-.4726	-.2077	-.1093	-.0953	
151.000								.5266							
156.000									.1909						
152.000										-1.1870	-3.3008	-.2091	-.1251	-.1049	
153.000								.5026							
159.000															
174.000								.1874		-1.5180	-.3137	-.1965	-.1319	-.1058	
180.000	1.0130	.5780	.2731	.2040	.1721	.1753	.6296								
V/L	.8530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					

CHI

0.000	-.0753	-.1101	-.1536	-.2099	-.2171	-.2627	-.2289								
40.000	-.1491	-.1107	-.1636	-.2090	-.2180	-.2173	-.2097								
70.000	-.0643	-.0380	-.0416	-.1763	.0816	.0632	-.0262								
90.000	-.0261	.0011	.0975	.1772	.0650	.0100	-.0809								
135.000		.1877	.1765	.0207	-.0476	-.0381									
110.000															
120.000	-.0863	.0256	.4451	.1757	-.0143	-.0258	-.0704								
135.000		.3064	-.0251	-.0600	-.0422	-.1638									
153.000	-.0720	.0253	.1278	.0191	.0558	-.0102	-.1788								
165.000	-.0711	.1002	.1002	.1642	-.0321	-.0759									
180.000	-.0793	-.0181	.0333	.1795											

ALPHA ( 2 ) = -.120 BETA ( 2 ) = 10.610

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

V/L	0.000	0.060	0.230	0.470	0.790	1.120	1.590	1.670	1.780	2.050	2.520	3.010	3.790	4.990	5.780
CHI															
20.000	.9756	.2323	-.1246	-.1550	-.1992	-.2076									
40.000		-.1169	-.1591	-.1863	-.1870										
40.000		-.1030	-.1515	-.1589	-.1610										
55.000		-.0605	-.1548	-.1858	-.1846										
70.000		-.0278	-.1632	-.2179	-.2003										
90.000	-.0225	-.0185	-.1584	-.2586	-.2031										
120.000		.0370	-.1752	-.1718	-.1531										
140.000															
150.000		.1174	.0853	-.0068	-.0197										
151.000															
156.000															
162.000															

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OF POOR QUALITY



DATE 26 APR 75 TABULATED PRESSURE DATA - OR22A

(RB2813)

ORB. FUSELAGE

ARC11-716 OR22 O1

ALPHA ( 3 ) = 10.150 BETA ( 1 ) = -9.060

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LS .6533 .7500 .7810 .8233 .8823 .9233 .9633 1.0020 1.0210 1.0480

PM1									
.000	.0329	.0427	-.0144	-.0084	-.1294	-.1975	-.1859	-.0542	-.1324
43.000	.1129	.0833	.0135	-.0705	-.1437	-.1556	-.1556	-.0572	-.1336
73.000	-.5525	-.2285	-.0313	.1742	.0893	.0855	.0054		
93.000	-.2821	-.1461	.0338	.1757	.0568	.0332	-.0696		
103.000		.1364	.1936	.0249	-.0449	-.0925			
113.000									
123.000	-.4533	-.2195	.4276	.1937	-.0831	-.0859	-.1111	-.1897	
133.000		.0553	-.3123	-.2234	-.1698	-.2426		-.1447	
153.000	-.2133	-.0936	-.0143	-.1695	-.0054	-.0443	-.1967		
163.000	-.1663	.0163		.0345	-.0541	-.2631			
183.000	-.1592	-.0759	.0222	-.0136					

ALPHA ( 3 ) = 10.180 BETA ( 2 ) = 10.110

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LS .0000 .0300 .0380 .0233 .0470 .0700 .1120 .1590 .1670 .1780 .2050 .2520 .3010 .3790 .4990 .5760

PM1															
.000	.0072	.6523	.2472	.1350	.0446	-.0229	-.0215	-.0112	-.0042	.0322	.0341	.0529	.0702		
23.000		.1875	.0733	.0211	.0345		-.1204	-.0590	-.2044	-.2946	-.1925	-.1190	.0077	.1076	
43.000		.0593	-.0774	-.1187			-.2037	-.3092							
55.000		.0443	-.1671	-.2177	-.2303		-.2507	-.3466	-.3590	-.2409	-.1852	-.1892			
73.000		.0512	-.1443	-.2127	-.1752		-.2341	-.4396	-.3241	-.1961	-.1361	-.1254			
93.000	-.1293	-.0544	-.1351	-.2452	-.1672		-.2973	-.5480	-.3847	-.2506	-.0789	-.0773			
123.000		-.0461	-.1668	-.1679	-.1114			-.6525							
143.000		-.0553	-.0887	-.1384	-.0895			-.8327	-.3472	-.1746	-.0832	-.0935			
153.000							-.0581		-.4656						
163.000								-.4605							
174.000	.0072	.0637	-.0029	-.0497	-.0637	-.0024	.1424								
183.000															
PM1															
.000	.0916	.0334	-.0183	-.0936	-.1335	-.2021	-.1871								
43.000	.0874	.0323	.0314	-.0837	-.1763	-.1915	-.1429								
73.000	-.4223	-.3746	-.2822	-.1314	-.1392	-.1364	-.1214								
93.000	-.3238	-.3166	-.2727	-.1324	-.1752	-.1458	-.1613								
113.000		-.2314	-.2655	-.2288	-.2115	-.1855									
123.000															

-.2282

TABULATED PRESSURE DATA - 0422A

(002013)

ORB. FUSELAGE

ARC11-716 0422 01

ALPHA ( 3 ) = 10.100 OCTA ( 2 ) = 10.110

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

V/LB .6530 .7500 .7810 .8230 .8620 .9230 .9630 1.0000 1.0210 1.0400

PMI

120.000 -.1676 -.1667 -.1700 -.3262 -.3243 -.2516 -.2196 -.2113  
 135.000 .4552 -.2781 -.4417 -.3239 -.2798  
 150.000 -.1288 -.0603 .1127 -.5038 -.3765 -.3112  
 165.000 -.1461 .0333 -.5163 -.3327 -.2068  
 180.000 -.1508 -.0710 .0206 .0274



DATE 08 APR 75

( 03 JAN 74 )

CORB. FUSE\_AGE

ARC11-716 SA22-01

### PARAMETRIC DATA

## REFERENCE DATA

WATER =	2.4210 MG./FT.	WATER =	29.5000 INCHES
SEWER =	36.7333 INCHES	WATER =	.0000 INCHES
SEWER =	36.7333 INCHES	SEWER =	.0000 INCHES
SLOPE =	.0000 SCALE		

MAOH	=	.900	ELEVON	=	.000
RUSSER	=	.000	SFOBRK	=	.000

$$\alpha_A(1) = -0.161 \quad \beta_A(1) = -9.66$$

DEPENDENT VARIABLE OF INTEREST: DISCOUNT RATE

YR	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382
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DATE 29 APR 75 TABULATED PRESSURE DATA - 0422A

OMB. FUSELAGE (082814)

ARC11-716 0422 01

ALPHA ( 2 ) = -.180 BETA ( 1 ) = -.9.950

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

W/B	.0000	.0080	.0200	.0400	.0700	.1100	.1500	.1670	.1780	.2000	.2500	.3010	.3790	.4990	.5760
PMI															
123.000			.6639	.4596	.3881	.3776		.2824		-.0990	-.4937	-.5959	-.0617	-.0476	
143.000										-.1211					
153.000			.3175	.3922	.3173	.3532				-.2079	-1.0120	-.2761	-.0819	-.0575	
151.000									.3671						
156.000								.6910		.4088					
162.000										-.6998	-.9154	-.2105	-.0735	-.0697	
169.000								.6840							
174.000															
183.000	1.1900	.7948	.3794	.2933	.2616	.2839	.7800	.4162		-1.0850	-.8252	-.1807	-.0776	-.0674	
W/B	.6530	.7900	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0400					

PMI															
183.000			-.0550	-.0868	-.1616	-.2679	-.3847	-.4854	-.2933						
49.000		-.1717	-.0954	-.1452	-.2634	-.3637	-.3910	-.2422		-.0535	-.1413				
79.000		-.0530	-.1463	-.2057	-.1905	-.1061	-.0030			-.1100	-.1516				
93.000		-.0359	-.0780	.1133	.0781	.0763	.0624	-.0477							
105.000			.2277	.1651	.0375	.0011	-.0704								
113.000								-.2080							
121.000		-.1105	-.0323	.4516	.2095	.0136	.0246	-.0522							
139.000			.4129	.0582	.2072	.0256	-.1048								
151.000		-.0658	.0647	.2174	.0985	.1079	.0576	-.1384							
165.000		-.0658	.1968	.1968	.2034	.0527	-.2233								
183.000		-.0367	.0497	.2200	.3825										

ALPHA ( 2 ) = -.180 BETA ( 2 ) = 10.000

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

W/B	.0000	.0080	.0200	.0400	.0700	.1100	.1500	.1670	.1780	.1700	.2000	.2500	.3010	.3790	.4990	.5760
PMI																
123.000			.3904	-.0233	-.0839	-.1575	-.2117	-.1935		-.1937	-.1909	-.1133	-.0774	-.0424	-.0307	
23.000		1.1160		-.0326	-.0952	-.1593	-.1932	-.2431		-.2024						
43.000			-.0120	-.1006	-.1574	-.1488		-.2316		-.2332	-.3446	-.1217	-.0532	-.0068	.0504	
55.000			.0329	-.1038	-.1624	-.1404		-.2604								
93.000			.0759	-.1017	-.1845	-.1537		-.2617		-.4334	-.4931	-.2425	.0014	.0170		
91.000			.1348	-.0892	-.0685	-.2793	-.1670	-.3157		-.5770	-.4870	-.4511	.0072	.0248		
123.000				.1526	-.0774	-.1231	-.0532	-.2600		-.7851	-.4954	-.4228	-.0439	-.0008		
143.000										-.10950						
153.000			.2133	.1765	.0714	.0978				-.9869	-.7312	-.3519	-.0663	-.0476		
151.000								-.2178								
156.000																
162.000																

ARC11-716 OA22 O1

ORB. FUSELAGE

(R82814)

ALPHA ( 2 ) = -.100 BETA ( 2 ) = 10.000

## SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB .0000 .0080 .0230 .0470 .0700 .1120 .1590 .1670 .1780 .2050 .2520 .3010 .3790 .4990 .5760

PHI

165.000 .4608 -.9143 -.7183 -.3057 -.0853 -.0663

169.000

174.000 .6011

180.000

1.1160 .6016 .3904 .2889 .2357 .2724 .4541 -1.1230 -.6318 -.1986 -.0922 -.0766

X/LB

PHI

.0000 -.0942 -.1534 -.2786 -.4102 -.4662 -.2745

40.000

-.0484 -.0895 -.1505 -.2798 -.3879 -.4654 -.1796

70.000

-.1050 -.1826 -.2210 -.1362 -.4418 -.2551 -.1677

90.000

-.0593 -.1184 -.1748 -.2112 -.5023 -.3290 -.2029

105.000

-.1037 -.3005 -.5427 -.3879 -.2081

110.000

-.10225 -.0098 -.2197 -.5686 -.6898 -.5348 -.3520

120.000

.3198 -.2145 -.9047 -.8905 -.4217

135.000

-.0261 -.0569 .3477 .3554 -.5875 -.7320 -.4741

150.000

-.0490 .2782 -.3991 -.6462 -.2594

165.000

-.0642 -.0371 .2234 .3935

180.000

ALPHA ( 3 ) = 10.050 BETA ( 1 ) = -9.870

## SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB .0000 .0080 .0230 .0470 .0700 .1120 .1590 .1670 .1780 .2050 .2520 .3010 .3790 .4990 .5760

PHI

.0000 1.0810 .7845 .3552 .1889 .0865 .0163

20.000

.4695 .2862 .1699 .0660

40.000

.6546 .4062 .2893 .1985

55.000

.7085 .4985 .3662 .2698

70.000

.6687 .4756 .3370 .2594

90.000

.7771 .5712 .4189 .2868 .2502

120.000

.3961 .1957 .1458 .1704

140.000

.1625 .0638 .0358 .1344

151.000

.6097

155.000

.5871

162.000

.6497

169.000

.3087

174.000

.6497

180.000

1.0810 .3423 .0370 .0380 .0385 .1160

X/LB

.6530 .7530 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480



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(R82814)

ORB. FUSELAGE

ARC11-716 0A22 01

ALPHA ( 3 ) = 10.020 BETA ( 1 ) = -9.870

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB .6330 .7300 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480

PHI

.000 .1437 .0863 .0139 -.0943 -.1993 -.3766 -.5256  
 40.000 .1399 .1347 .0498 -.0805 -.2432 -.3838 -.5123  
 70.000 -.3072 -.6241 -.0678 .1335 -.0307 -.0024 -.0459  
 90.000 -.2793 -.5444 -.0003 .1566 -.0428 -.0477 -.0946  
 105.000 .0812 .1195 -.0837 -.1070 -.1202  
 110.000  
 120.000 -.5559 -.2432 .0373 .2271 -.1325 -.0882 -.1083  
 135.000 -.0026 -.1700 -.1824 -.1217 -.2054  
 150.000 -.2304 -.1110 .0203 -.0381 -.0611 -.0716 -.2107  
 165.000 -.2098 .0039 -.0160 -.0557 -.2538  
 180.000 -.1979 -.1219 -.0043 .1912

ALPHA ( 3 ) = 10.120 BETA ( 2 ) = 10.100

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB .0000 .0080 .0230 .0470 .0700 .1120 .1590 .1670 .1780 .2050 .2520 .3010 .3790 .4990 .5760

PHI

.000 1.0410 .7793 .3444 .2129 .1003 -.0016  
 20.000 .2916 .1466 .0741 -.0136  
 40.000 .1630 .0650 .0214 -.0764  
 55.000 .0701 -.0859 -.1570 -.1622  
 70.000 .0623 -.0708 .1553 -.0787  
 90.000 -.0090 .0593 -.0817 .2031 -.0538  
 120.000 .0646 -.0994 -.1111 .0165  
 140.000 .0486 -.0147 -.0749 .0435  
 150.000  
 151.000  
 156.000  
 162.000  
 165.000  
 169.000  
 174.000  
 180.000 1.0410 .2150 .0991 .0367 .0123 .1140  
 X/LB .6330 .7300 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480

PHI

.000 .1378 .0934 .0115 -.1073 -.2001 -.3760 -.5193  
 40.000 .1290 .1019 .0254 -.0928 -.2451 -.3980 -.5273  
 70.000 -.3597 -.6317 -.4525 -.1809 -.3274 -.3551 -.1902  
 90.000 -.2783 -.4922 -.3937 -.3455 -.3591 -.4134 -.2050  
 105.000  
 110.000  
 120.000  
 135.000  
 150.000  
 151.000  
 156.000  
 162.000  
 165.000  
 169.000  
 174.000  
 180.000 1.0410 .2150 .0991 .0367 .0123 .1140  
 X/LB .6330 .7300 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480



DATE 09 APR 75

TABULATED PRESSURE DATA - 0A22A

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ORB. FUSELAGE

(882814)

ALPHA ( 3 ) = 10.120 BETA ( 2 ) = 10.100

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480
PMI										
120.000	-.1782	-.2479	-.1514	-.4465	-.4467	-.5151	-.2442	-.2310		
135.000			.3630	-.0867	-.5804	-.5091	-.3331			
150.000	-.1633	-.1166	.0881	-.0689	-.5814	-.5964	-.3089			
165.000	-.1776	.0159	.0159		-.4835	-.4950	-.2254			
180.000	-.1927	-.1216	-.0108	.1757						





ARC11-716 0422 01

ORB. FUSELAGE

(R02015)

ALPHA ( 1 ) = -9.890 BETA ( 2 ) = 10.100

## SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LS	.0000	.0040	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
.000	.8347	-.2509	-.4804	-.3901	-.4037	-.3544		-.2394		-.2012	-.1615	-.1227	-.1403	-.1824	-.2361
20.000		-.4327	-.3620	-.3350	-.2841			-.2610		-.1666					
40.000		-.3679	-.3726	-.3487	-.2823			-.2889		-.2104	-.1664	-.1323	-.1187	-.0947	-.1258
55.000		-.2755	-.3750	-.3806	-.3612			-.3596		-.3017					
70.000		-.1960	-.3188	-.3550	-.3237			-.3575		-.3936	-.2806	-.0927	.0243	.0717	
90.000		-.0858	-.1460	-.3481	-.4360	-.4355		-.5033		-.5344	-.37	-.1656	-.0532	.0302	
120.000			.0056	-.1915	-.2987	-.2827		-.5998		-.6657	-.5176	-.5898	-.3035	-.1590	
140.000										-.5211					
150.000			.2828	.2235	.1207	.0659			-.3471	-.5918	-.2774	-.2043	-.1427	-.0929	
151.000								-.0089							
156.000									-.1785						
162.000								.3661		-.8498	-.2066	-.1488	-.0926	-.0532	
165.000															
169.000						.5191		.4042		-.9992	-.1831	-.0981	-.0509	-.0034	
174.000	.8347	.7622	.5498	.4465	.3883	.3648									
180.000	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					

PMI

X/LS	.000	.0040	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
.000	-.2662	-.2860	-.3512	-.4218	-.4029	-.4181	-.3487		-.1459	-.1590					
20.000	-.2914	-.2931	-.3341	-.4099	-.4407	-.4626	-.3815		-.1608	-.1855					
40.000	.0914	.0197	.0725	.2233	.2238	.1544	-.0748								
55.000	-.0425	-.0576	-.0274	.0762	.0574	.0109	-.1230								
70.000		.0421	.0756	.0686	-.0021	-.0943		-.1480							
90.000	.0267	.0476	-.1193	-.3582	-.0736	-.1572	-.2692	-.2647							
120.000		.4188	.3470	-.3897	-.2486	-.2012									
135.000	-.0069	.0648	.4045	.2830	-.3533	-.2802	-.2671								
150.000	.0209	.2713		-.2696	-.3026	-.1792									
160.000	.0566	.1222	.2343	.3860											

ALPHA ( 2 ) = -.220 BETA ( 1 ) = -9.970

## SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LS	.0000	.0040	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
.000	1.3150	.2271	-.1265	-.1906	-.2194	-.2008		-.1609		-.1313	-.1141	-.0781	-.0933	-.0797	-.0935
20.000		-.0835	-.1506	-.2047	-.2305			-.2666		-.1663					
40.000		.1753	-.0766	-.1557	-.1911			-.3532		-.2558	-.2349	-.1872	-.1868	-.1001	-.0964
55.000		.4149	.2057	.1068	.0236			-.0678		-.0678					
70.000		.5563	.3545	.2357	.1492			-.0893		-.0893	-.1237	-.0224	.0479	.0793	
90.000		.6015	.5897	.4112	.2779	.2025		-.0318		-.1209	-.1253	-.0350	.0293	.0725	



ARC11-716 0A22 01

ORB. FUSELAGE

(RB2B15)

ALPHA ( 2 ) = -.220 BETA ( 1 ) = -9.970

## SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0200	.0400	.0600	.0800	.1000	.1200	.1500	.1670	.1780	.2000	.2520	.3010	.3790	.4990	.5760
PMI																
120.000		.5803	.4038	.3346	.2955				.1716		-.1324	-.2137	-.2377	-.0378	-.0418	
140.000											-.2143					
150.000		.4362	.3313	.2547	.2684						-.4161	-.4535	-.1868	-.0921	-.0607	
151.000									.5339							
156.000																
162.000																
165.000																
169.000																
174.000								.6366								
180.000	1.0150	.5900	.2883	.2256	.1897	.1898			.2057		-.1.4800	-.2959	-.1794	-.1081	-.0840	
X/LB	.6530	.7300	.7910	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480						

PMI

.000	-.1142	-.1495	-.2150	-.3013	-.3123	-.3750	-.3187									
40.000	-.1936	-.1758	-.2393	-.3253	-.3888	-.2953	-.2991		-.1289	-.1731						
70.000	.0064	.0696	.1968	.3464	.3300	.2471	-.0043		-.1238	-.1562						
90.000	.0352	.1052	.2278	.3276	.2486	.1470	-.0410									
105.000		.2936	.3276	.1879	.0615	-.0658										
110.000							-.1879									
120.000	-.0247	.0922	.5016	.3267	.0633	.0132	-.0615									
135.000		.3035	.0096	-.0324	-.0268	-.1345										
150.000	-.0229	.0770	.1595	.0570	.0892	.0229	-.1422									
165.000	-.0286		.1360	.2056	.0120	-.2179										
180.000	-.0318	.0335	.1366	.2087												

ALPHA ( 2 ) = .000 BETA ( 2 ) = 10.010

## SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0200	.0400	.0600	.0800	.1000	.1120	.1500	.1670	.1780	.2000	.2520	.3010	.3790	.4990	.5760
PMI																
.000	.9760	.2362	-.1265	-.1425	-.1971	-.2096			-.1666		-.1341	-.1108	-.0757	-.0816	-.0870	-.0989
20.000		-.1221	-.1511	-.1798	-.1790				-.2171		-.1350					
40.000		-.0999	-.1500	-.1682	-.1552				-.2097		-.1638	-.1598	-.1048	-.0860	-.0342	.0015
50.000		-.0621	-.1192	-.1915	-.1748				-.2459		-.2385					
70.000		-.0316	-.1586	-.2171	-.1963				-.2688		-.3382	-.2841	-.1265	-.0425	-.0013	
90.000	-.0317	-.0200	-.1563	-.2701	-.2329				-.3524		-.4383	-.3050	-.1413	-.0431	-.0042	
120.000		.0343	-.1792	-.1808	-.1681				-.4109		-.5739	-.4123	-.3267	-.0872	-.0295	
140.000									-.5904							
150.000		.1016	.0869	.0059	-.0238				-.7216		-.3176	-.2003	-.1187	-.0844		
151.000									-.4293							
155.000									-.0388							
162.000									-.3326							

DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

(R82915)

ORIG. FUSELAGE

ARC11-716 0422 01

ALPHA ( 2 ) = .000 BETA ( 2 ) = 10.010

SECTION ( 1 ) ORBITER FUSELAGE DEFENDENT VARIABLE CP

X/LB .0000 .0000 .0200 .0400 .0600 .0800 .1000 .1200 .1400 .1600 .1800 .2000 .2500 .3010 .3790 .4990 .5780

FMI

165.000 -1.1510 -.2844 -.1950 -.1240 -.0908

.2503

169.000

.4196

174.000

.1747

180.000

.2353

.9760

.1484

.0530

.0230

.0020

.9630

1.0020

1.0210

1.0480

X/LB

.1632

.1415

.1258

.2159

.2855

.2115

ALPHA ( 3 ) = 10.210 BETA ( 1 ) = -9.860

SECTION ( 1 ) ORBITER FUSELAGE

DEFENDENT VARIABLE CP

X/LB .0000 .0200 .0400 .0600 .0800 .1000 .1200 .1400 .1600 .1800 .2000 .2500 .3010 .3790 .4990 .5780

FMI

.0000 .6322 .2407 .1092 .0294 -.0106

-.0102

-.0579

.0308

.0999

.0843

.0655

.0414

.0903

.4031

.3502

.4916

.0420

.9630

1.0020

1.0210

1.0480

X/LB

.1632

.1415

.1258

.2159

.2855

.2115

.1632

.1415

.1258

.2159

.2855

.2115





ARC11-716 0422 01

ORIG. FUSELAGE

(NB2015)

ALPHA ( 3 ) = 10.190 BETA ( 2 ) = 10.110

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

K/LB	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480
PMI										
120.000	-.1135	-.0769	-.0243	-.3003	-.1369	-.1187	-.1326	-.1474		
135.000			.4534	-.1633	-.3119	-.2165	-.2047			
150.000	-.0935	-.0300	.1460	-.0798	-.4628	-.3317	-.2797			
165.000	-.1031		.0761		-.4466	-.3325	-.1650			
180.000	-.1051	-.0276	.0660	.0336						





(RB2816) ( 03 JAN 74 )

**CRB. FUSELAGE**

RC 2200 916 0422 01

### PARAMETRIC DATA

WACH	=	.900	ELEVON	=	-20.000
TRIGGER	=	.000	SPDRK	=	.000

## REFERENCE DATA

DREF = 2.4210 30. FT. K4RP = 29.5000 INCHES  
 DREF = 36.7090 INCHES V4RP = .0000 INCHES  
 DREF = 36.7090 INCHES Z4RP = .0000 INCHES  
 SCALE = .0000 SCALE

ALPHA ( 1 ) = -10.960 BETA ( 1 ) = -9.903

SECTION 1100B LETTER FUSelage

DEF-ECENT VARIABLE CP

[illegible]

DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

(R02016)

ORB. FUSELAGE

ARC11-716 0422 01

ALPHA ( 1 ) = -10.000 BETA ( 2 ) = 10.000

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

K/L 0.000 0.000 0.020 0.040 0.060 0.080 0.100 0.120 0.140 0.160 0.180 0.200 0.220 0.240 0.260 0.280 0.300 0.320 0.340 0.360 0.380 0.400 0.420 0.440 0.460 0.480 0.500 0.520 0.540 0.560 0.580 0.600 0.620 0.640 0.660 0.680 0.700 0.720 0.740 0.760 0.780 0.800 0.820 0.840 0.860 0.880 0.900 0.920 0.940 0.960 0.980 1.000

CP1  
-0.000 1.0260 -0.0233 -0.3410 -0.3264 -0.4200 -0.3567 -0.2492 -0.2994 -0.1486 -0.0858 -0.0708 -0.0629 -0.1081  
20.000 -0.3284 -0.3040 -0.3530 -0.2920 -0.2935 -0.2508 -0.2128  
40.000 -0.2581 -0.3123 -0.3536 -0.2864 -0.3329 -0.3134 -0.2230 -0.1053 -0.0350 -0.0170 0.0128  
55.000 -0.1503 -0.3237 -0.3568 -0.3322 -0.4165 -0.4358 -0.4390 -0.5266 -0.3505 -0.0314 -0.0765  
70.000 -0.0346 -0.2534 -0.3183 -0.2851 -0.4217 -0.5169 -0.5315 -0.4084 -0.0909 -0.0232  
90.000 -0.0995 -0.1900 -0.2404 -0.3507 -0.5249 -0.8338 -0.3104 -0.6568 -0.1626 -0.0035  
120.000 -0.1725 -0.0404 -0.1749 -0.1452 -0.4116 -0.9462  
140.000 -0.4234 -0.3556 -0.2438 -0.2031 -0.8851 -0.3669 -0.1569 -0.1162 -0.0310  
150.000 -0.2614 -0.0925  
160.000 -0.1145  
170.000 -0.8041 -0.4048 -0.1065 -0.0806 -0.0026  
180.000 -0.5592  
190.000 -0.6914  
200.000 -0.4745  
210.000 -0.5562 -0.4873 -0.4745  
220.000 -0.6689 -0.5562 -0.4873 -0.4745  
230.000 -0.7330 -0.7810 -0.8230 -0.9230 -0.9630 1.0020 1.0210 1.0480  
240.000 -0.5954  
250.000 -0.9166 -0.4613 -0.0655 -0.0359 -0.0343  
260.000 -0.2235 -0.2349  
270.000 -0.2571 -0.2728  
280.000 -0.2731  
290.000 -0.2624  
300.000 -0.1737 -0.1737  
310.000 -0.2537  
320.000 -0.3150  
330.000 -0.2582  
340.000 -0.5353  
350.000 -0.5335  
360.000 -0.5335

CP1

40.000 -0.2422 -0.3989 -0.4444 -0.5203 -0.5943 -0.6631 -0.6891  
60.000 -0.2456 -0.4060 -0.4502 -0.5165 -0.5761 -0.6883 -0.5762  
80.000 -0.1097 -0.0700 -0.0728 -0.1034 -0.1958 -0.1473 -0.1414  
100.000 -0.0530 -0.0737 -0.0736 -0.1147 -0.1553 -0.0732 -0.1431  
120.000 -0.0937 -0.0410 -0.1062 -0.0451 -0.1328  
140.000 -0.1172 -0.1304 -0.1855 -0.4403 -0.0451 -0.0785 -0.1737 -0.2624  
160.000 -0.5001 -0.2461 -0.4747 -0.2654 -0.2337  
180.000 -0.3717 -0.1632 -0.5212 -0.4552 -0.4530 -0.4537 -0.3150  
200.000 -0.0944 -0.3982 -0.2467 -0.5353 -0.2582  
220.000 -0.1160 -0.2031 -0.3589 -0.5335

ALPHA ( 2 ) = 0.010 BETA ( 1 ) = -9.970

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

K/L 0.000 0.020 0.040 0.060 0.080 0.100 0.120 0.140 0.160 0.180 0.200 0.220 0.240 0.260 0.280 0.300 0.320 0.340 0.360 0.380 0.400 0.420 0.440 0.460 0.480 0.500 0.520 0.540 0.560 0.580 0.600 0.620 0.640 0.660 0.680 0.700 0.720 0.740 0.760 0.780 0.800 0.820 0.840 0.860 0.880 0.900 0.920 0.940 0.960 0.980 1.000

CP1  
0.000 1.1560 -0.4168 -0.0200 -0.1144 -0.1021 -0.2119 -0.1993 -0.1674 -0.1858 -0.0951 -0.0783 -0.0782 -0.0144  
20.000 -0.0620 -0.0622 -0.1537 -0.2583 -0.3124 -0.2128  
40.000 -0.3184 -0.0293 -0.0806 -0.1465 -0.3778 -0.2769 -0.2754 -0.2123 -0.1707 -0.0049 -0.0027  
55.000 -0.5337 -0.2940 -0.1756 -0.0765 -0.0539 -0.1237  
70.000 -0.6319 -0.4248 -0.2937 -0.2884 -0.0714  
90.000 -0.8033 -0.6635 -0.4769 -0.3258 -0.2695 -0.1216 -0.0050 -0.1979 -0.0279 -0.0667



CONF. FUSelage

ARC11-716 QAZZ M

ALPHA ( 2 ) = .010 BETA ( 1 ) = -9.973

SECTION (1) ORBITER FUSelage

	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2
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41	0.00	-0.017	-0.080	-0.152	-0.269	-0.374	-0.523	-0.6876
43-200		-0.1629	-0.046	-0.1406	-0.257	-0.3096	-0.5642	-0.8644
73-200		-0.2592	0.055	-0.251	-0.4229	-0.4356	-0.714	-0.9349
93-200		0.0067	0.062	-0.2906	-0.4075	-0.4443	-0.716	-0.9143
135-200				-0.5651	-0.5057	-0.2033	-0.1558	-0.0622
150-200			0.1016	-0.5496	-0.4045	-0.1396	-0.0601	-0.0929
155-200				-0.4101	-0.0653	-0.0399	-0.0302	-0.1339
159-200		-0.0162	0.1243	-0.2393	-0.1266	-0.1521	-0.0960	-0.1768
165-200		-0.0156		-0.2266		-0.2655	-0.0973	-0.2032
169-200		-0.0051	0.0662	-0.2533	-0.3660			

$$\Delta \epsilon_{MA} ( \mu ) = .090 \quad \Delta \epsilon_{TA} ( \mu ) = 10.030$$
SECTION 1120B10R FUSelage  
DEFENDANT VARIABLE OF[illegible]

[REDACTED]

ARC11-716 0422 01

ORB. FUSelage

(MS2016)

ALPHA ( 2 ) = .080 BETA ( 2 ) = 10.000

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

W/B	.0000	.0080	.0200	.0400	.0700	.1100	.1500	.1870	.1700	.2000	.2300	.3010	.3700	.4900	.5760
FWL															
169.000															
169.000															
174.000															
180.000															
W/B															
FWL															
169.000															
169.000															
174.000															
180.000															

-0.9133  
 -0.7109  
 -0.2829  
 -0.0712  
 -0.0370

.4692

-1.1100  
 -0.6512  
 -0.2049  
 -0.0797  
 -0.0329

.6037

.4589

-0.2331

-0.1952

-0.3000

-0.2713

-0.2900

-0.2345

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DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(R82816)

ORB. FUSELAGE

ARC11-716 0A22 01

ALPHA ( 3 ) = 10.220 BETA ( 2 ) = 10.120

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.6530	.7500	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480
PM1										
120.000	-.1699	-.2316	-.1325	-.3704	-.1720	-.1337	-.1980	-.2327		
135.000			.3739	-.0633	-.3304	-.2713	-.2851			
150.000	-.1268	-.0903	.0992	-.0560	-.3159	-.4367	-.3129			
165.000	-.1537	.0270			-.4596	-.4337	-.2219			
180.000	-.1676	-.0869	.0214	.1803						



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FUS+RFLARE BASE (RB2C01) ( 08 NOV 75 )

ARC11-716 0A22 01

REFERENCE DATA

SRF = 2.4210 SQ.FT. YMRP = 29.5000 INCHES  
 LREF = 36.7090 INCHES YMRP = .0000 INCHES  
 SRF = 36.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0300 SCALE

MACH ( 1 ) = .597 ALPHA ( 1 ) = -14.480

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1621 -.1679 -.3066 -.2957 -.1829

MACH ( 1 ) = .596 ALPHA ( 2 ) = -9.840

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1636 -.1926 -.2895 -.2940 -.1908

MACH ( 1 ) = .596 ALPHA ( 3 ) = -4.850

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1553 -.1646 -.2595 -.2726 -.1956

MACH ( 1 ) = .597 ALPHA ( 4 ) = .060

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1556 -.1630 -.2531 -.2559 -.1960

PARAMETRIC DATA

BETA = .000 ELEVON = .000  
 RUDDER = .000 SPOBRK = .000

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 OF POOR QUALITY

ARC11-716 0422 01

FUS-RFLARE BASE

(R82C01)

MACH ( 1 ) = .596 ALPHA ( 5 ) = 5.090  
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP  
TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000  
.000 -.1515 -.1756 -.2385 -.2275 -.1881  
MACH ( 1 ) = .596 ALPHA ( 6 ) = 10.100  
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP  
TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000  
.000 -.1506 -.1857 -.2255 -.2115 -.1896  
MACH ( 1 ) = .599 ALPHA ( 7 ) = 14.590  
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP  
TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000  
.000 -.1713 -.2139 -.2801 -.1953 -.1979  
MACH ( 2 ) = .902 ALPHA ( 1 ) = -14.570  
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP  
TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000  
.000 -.2394 -.2550 -.3408 -.7022 -.6479  
MACH ( 2 ) = .899 ALPHA ( 2 ) = -9.750  
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP  
TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000  
.000 -.2014 -.2335 -.3078 -.6996 -.6191





ARC11-716 0A22 01

FUS+RFLARE BASE

(RB2CD1)

MACH ( 2 ) = .901 ALPHA ( 3 ) = -5.010

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1726 -.2031 -.2676 -.6802 -.5934

MACH ( 2 ) = .902 ALPHA ( 4 ) = .080

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1645 -.1962 -.2505 -.6633 -.5557

MACH ( 2 ) = .903 ALPHA ( 5 ) = 5.070

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1608 -.1801 -.2315 -.6018 -.5213

MACH ( 2 ) = .904 ALPHA ( 6 ) = 10.140

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1752 -.1976 -.2487 -.6093 -.4524

MACH ( 2 ) = .903 ALPHA ( 7 ) = 14.600

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2169 -.2503 -.2878 -.5724 -.4772

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(R82C03) ( 08 NOV 73 )

FUS+RFLARE BASE

ARC11-716 0422 01

## PARAMETRIC DATA

BETA = .000 ELEVON = -20.000  
 RUDDER = .000 SPDRK = .000

## REFERENCE DATA

SREF = 2.4210 36.17. YMRP = 29.5000 INCHES  
 LREF = 38.7090 INCHES YMRP = .0000 INCHES  
 BREF = 38.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0300 SCALE

MACH ( 1 ) = .598 ALPHA ( 1 ) = -14.440

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1443 -.1680 -.3147 -.2600 -.1363

MACH ( 1 ) = .598 ALPHA ( 2 ) = -9.980

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1415 -.1566 -.2650 -.2519 -.1539

MACH ( 1 ) = .596 ALPHA ( 3 ) = -4.870

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1372 -.1551 -.2479 -.2306 -.1592

MACH ( 1 ) = .598 ALPHA ( 4 ) = -.010

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1366 -.1532 -.2432 -.2213 -.1659



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(R82C03)

FUS-REFLARE BASE

ARC11-716 0A22 01

MACH ( 1 ) = .596 ALPHA ( 5 ) = 5.000

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1356 -.1536 -.2468 -.1951 -.1527

MACH ( 1 ) = .596 ALPHA ( 6 ) = 9.970

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1361 -.1624 -.2324 -.1808 -.1509

MACH ( 1 ) = .598 ALPHA ( 7 ) = 14.640

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1509 -.1765 -.2618 -.1647 -.1559

MACH ( 2 ) = .904 ALPHA ( 1 ) = -14.570

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.3147 -.3457 -.4833 -.7068 -.6613

MACH ( 2 ) = .903 ALPHA ( 2 ) = -10.030

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2278 -.2708 -.3565 -.7059 -.5961

DATE 08 APR 73 TABULATED PRESSURE DATA - QAZZA

ARC11-716 QAZZ 01

FUS+RFLARE BASE

(R82C05)

MACH ( 2 ) =	.902	ALPHA ( 3 ) =	-4.980
SECTION ( 1 ) FUS. + RFLARE BASE	DEPENDENT VARIABLE CP		
TAP NO	1.0000	2.0000	3.0000 4.0000 5.0000
.000 -1.087 -2.343 -2.869 -2.639 -2.576			
MACH ( 2 ) =	.901	ALPHA ( 4 ) =	.000
SECTION ( 1 ) FUS. + RFLARE BASE	DEPENDENT VARIABLE CP		
TAP NO	1.0000	2.0000	3.0000 4.0000 5.0000
.000 -1.037 -2.136 -2.233 -2.678 -2.533			
MACH ( 2 ) =	.902	ALPHA ( 5 ) =	5.040
SECTION ( 1 ) FUS. + RFLARE BASE	DEPENDENT VARIABLE CP		
TAP NO	1.0000	2.0000	3.0000 4.0000 5.0000
.000 -1.1613 -2.074 -2.245 -2.684 -2.4929			
MACH ( 2 ) =	.905	ALPHA ( 6 ) =	10.010
SECTION ( 1 ) FUS. + RFLARE BASE	DEPENDENT VARIABLE CP		
TAP NO	1.0000	2.0000	3.0000 4.0000 5.0000
.000 -1.1766 -2.178 -2.450 -2.6112 -2.4294			
MACH ( 2 ) =	.934	ALPHA ( 7 ) =	14.620
SECTION ( 1 ) FUS. + RFLARE BASE	DEPENDENT VARIABLE CP		
TAP NO	1.0000	2.0000	3.0000 4.0000 5.0000
.000 -1.1730 -2.2060 -2.2545 -2.5543 -2.4754			



DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

(RB2C09) ( 29 SEP 75 )

FUS+RFLARE BASE

ARC11-716 0422 01

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000  
RUDDER = -10.000 SPDBRK = .000

REFERENCE DATA

SREF = 2.4210 36.77. XMRP = 20.5800 INCHES  
LRCP = 38.7090 INCHES YMRP = .0000 INCHES  
BRCP = 38.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

MACH ( 1 ) = .597 BETA ( 1 ) = -9.980

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1766 -.1994 -.2674 -.1240 -.1634

MACH ( 1 ) = .596 BETA ( 2 ) = -4.980

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1674 -.1834 -.2570 .0484 .0203

MACH ( 1 ) = .597 BETA ( 3 ) = .000

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1375 -.1842 -.2532 .1127 .1412

MACH ( 1 ) = .596 BETA ( 4 ) = 4.980

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1766 -.2034 -.2730 .2070 .2632

ARC11-716 0422 01

FUS+RFLARE BASE

(082009)

MACH ( 1 ) = .800 BETA ( 5 ) = 9.990

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1830 -.2304 -.2896 -.1909 -.2884

MACH ( 2 ) = .899 BETA ( 1 ) = -9.950

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2166 -.2407 -.2968 -.3017 -.3113

MACH ( 2 ) = .901 BETA ( 2 ) = -4.970

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1889 -.2113 -.2556 -.1902 -.0322

MACH ( 2 ) = .902 BETA ( 3 ) = .010

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1768 -.1943 -.2412 .0007 -.0106

MACH ( 2 ) = .900 BETA ( 4 ) = 4.990

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1976 -.2196 -.2942 -.1697 -.1731



DATE 08 APR 73

TABULATED PRESSURE DATA - 0422A

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ARC11-716 0422 01

FUS-REFLARE BASE

(R02C09)

MACH (2) = .901 BETA (3) = 9.970

SECTION (1) FUS. + REFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.0000 -.2289 -.2672 -.3208 -.1856 .2486

ARC11-716 0422 01

FUSELAGE BASE

(N02C10) ( 29 SEP 75 )

## REFERENCE DATA

REF = 2.4210 50. FT. WHP = 29.5800 INCHES  
 LREF = 30.7090 INCHES WHP = .0000 INCHES  
 BREF = 30.7090 INCHES ZHP = .0000 INCHES  
 SCALE = .0000 SCALE

MACH ( 1 ) = .596 BETA ( 1 ) = -9.970

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -1.1909 -1.1945 -1.3428 -1.4200 -1.1134

MACH ( 1 ) = .597 BETA ( 2 ) = -4.970

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -1.1743 -1.1901 -1.2992 -1.3492 -1.0671

MACH ( 1 ) = .596 BETA ( 3 ) = .020

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -1.1617 -1.1942 -1.2786 -1.3511 -1.0283

MACH ( 1 ) = .597 BETA ( 4 ) = 5.020

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -1.1704 -1.1996 -1.2658 -1.4798 -1.0758

## PARAMETRIC DATA

ALPHA = .000 ELEVON = .000  
 RUDDER = 10.000 SPOBRK = .000





(R02C10)

FUS+RFLARE BASE

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

ARC11-716 0A22 01

MACH ( 1 ) = .600 BETA ( 5 ) = 9.940  
 SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP  
 TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1764 -.2075 -.3004 -.4369 -.2431

MACH ( 2 ) = .900 BETA ( 1 ) = -9.930  
 SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP  
 TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2271 -.2248 -.3534 -.4399 -.0392

MACH ( 2 ) = .901 BETA ( 2 ) = -4.990  
 SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP  
 TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1897 -.2107 -.2648 -.3662 -.0155

MACH ( 2 ) = .902 BETA ( 3 ) = .030  
 SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP  
 TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1733 -.2343 -.2698 -.3137 -.1698

MACH ( 2 ) = .899 BETA ( 4 ) = 5.000  
 SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP  
 TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1875 -.2214 -.2996 -.5011 -.1619

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 OF POOR QUALITY

DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

(RBP10)

FUS-FLARE BASE

ARC11-716 0422 01

MACH ( 2 ) = .801 BETA ( 3 ) = 10.010

SECTION ( 1 ) FUS. + FLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.0000 -.2043 -.2398 -.2940 -.0219 -.4361



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(RB2C11) ( 08 NOV 73 )

FUS+RFLARE BASE

ARC11-716 0A22 01

PARAMETRIC DATA

BETA = .000 ELEVON = .000  
RUDDER = .000 SPDBRK = 35.000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES  
LREF = 36.7090 INCHES YMRP = .0000 INCHES  
BREF = 36.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

MACH ( 1 ) = .595 ALPHA ( 1 ) = -14.370

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CF

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1827 -.2183 -.3654 -.3921 -.5287

MACH ( 1 ) = .597 ALPHA ( 2 ) = -9.790

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CF

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1723 -.2096 -.3326 -.4025 -.5368

MACH ( 1 ) = .598 ALPHA ( 3 ) = -4.790

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CF

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1700 -.2048 -.3106 -.4235 -.5421

MACH ( 1 ) = .598 ALPHA ( 4 ) = .180

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CF

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1745 -.2018 -.2993 -.4307 -.4969

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(RB2C11)

FUS+RFLARE BASE

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

ARC11-716 0A22 01

MACH ( 1 ) =	.597	ALPHA ( 5 ) =	5.220
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP			
TAP NO	1.0000	2.0000	3.0000 4.0000 5.0000
.000 -.1703 -.1966 -.2742 -.4302 -.5121			
MACH ( 1 ) =	.597	ALPHA ( 6 ) =	10.260
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP			
TAP NO	1.0000	2.0000	3.0000 4.0000 5.0000
.000 -.1694 -.2070 -.2755 -.3676 -.5304			
MACH ( 1 ) =	.597	ALPHA ( 7 ) =	14.850
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP			
TAP NO	1.0000	2.0000	3.0000 4.0000 5.0000
.000 -.1947 -.2307 -.3131 -.3689 -.5368			
MACH ( 2 ) =	.902	ALPHA ( 1 ) =	-14.470
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP			
TAP NO	1.0000	2.0000	3.0000 4.0000 5.0000
.000 -.2366 -.2787 -.4096 -.5406 -.5716			
MACH ( 2 ) =	.901	ALPHA ( 2 ) =	-9.870
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP			
TAP NO	1.0000	2.0000	3.0000 4.0000 5.0000
.000 -.2204 -.2527 -.3677 -.5179 -.5441			



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(RB2C11)

FUS+RFLARE BASE

ARC11-716 0A22 01

MACH ( 2 ) = .902 ALPHA ( 3 ) = -4.830  
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP  
TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1875 -.2266 -.3263 -.5285 -.5406  
MACH ( 2 ) = .900 ALPHA ( 4 ) = .180  
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP  
TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1768 -.2094 -.2853 -.5331 -.5487  
MACH ( 2 ) = .904 ALPHA ( 5 ) = 5.220  
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP  
TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1708 -.2078 -.2768 -.5170 -.5444  
MACH ( 2 ) = .901 ALPHA ( 6 ) = 10.260  
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP  
TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1870 -.2193 -.2897 -.4965 -.5345  
MACH ( 2 ) = .903 ALPHA ( 7 ) = 14.840  
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP  
TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2272 -.2566 -.3224 -.4864 -.5455

DATE 08 APR 75

TABULATED PRESSURE DATA - 0A22A

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ARC11-716 0A22 01

FUS+RFLARE BASE

(R82C12) ( 08 NOV 75 )

## REFERENCE DATA

SREF = 2.4210 30. FT. XMRP = 29.5800 INCHES  
 LREF = 38.7090 INCHES YMRP = .0000 INCHES  
 BREF = 38.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0300 SCALE

MACH ( 1 ) = .596 ALPHA ( 1 ) = -14.450

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1977 -.2456 -.4314 -.4712 -.5387

MACH ( 1 ) = .596 ALPHA ( 2 ) = -9.830

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1890 -.2301 -.3865 -.4965 -.5346

MACH ( 1 ) = .597 ALPHA ( 3 ) = -4.820

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1837 -.2295 -.3735 -.5260 -.5683

MACH ( 1 ) = .598 ALPHA ( 4 ) = .030

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1801 -.2300 -.3569 -.5501 -.5947

## PARAMETRIC DATA

BETA = .000 ELEVON = .000  
 RUDDER = .000 SPOBRK = 55.000



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(NB2C12)

FUS+FLARE BASE

ARC11-716 0A22 01

MACH ( 1 ) =	.597	ALPHA ( 5 ) =	5.190
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP			
TAP NO	1.0000	2.0000	3.0000 4.0000 5.0000
.000 -.1866 -.2235 -.3397 -.5618 -.6134			
MACH ( 1 ) =	.596	ALPHA ( 6 ) =	10.220
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP			
TAP NO	1.0000	2.0000	3.0000 4.0000 5.0000
.000 -.1688 -.2217 -.3079 -.5685 -.6295			
MACH ( 1 ) =	.596	ALPHA ( 7 ) =	14.790
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP			
TAP NO	1.0000	2.0000	3.0000 4.0000 5.0000
.000 -.2067 -.2351 -.3533 -.5700 -.6399			
MACH ( 2 ) =	.903	ALPHA ( 1 ) =	-14.490
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP			
TAP NO	1.0000	2.0000	3.0000 4.0000 5.0000
.000 -.2840 -.3021 -.4957 -.4373 -.4744			
MACH ( 2 ) =	.900	ALPHA ( 2 ) =	-9.680
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP			
TAP NO	1.0000	2.0000	3.0000 4.0000 5.0000
.000 -.2443 -.2933 -.4512 -.4949 -.5093			



(RB2C12)

FUS+RFLARE BASE

DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

ARC11-716 0422 01

MACH ( 2 ) =	.898	ALPHA ( 3 ) =	-4.840
SECTION ( 1 ) FUS. + RFLARE BASE		DEPENDENT VARIABLE CP	
TAP NO	1.0000	2.0000	3.0000 4.0000 5.0000
	.000	-.2076	-.2556 -.3976 -.5177 -.5262
MACH ( 2 ) =	.902	ALPHA ( 4 ) =	.210
SECTION ( 1 ) FUS. + RFLARE BASE		DEPENDENT VARIABLE CP	
TAP NO	1.0000	2.0000	3.0000 4.0000 5.0000
	.000	-.1981	-.2268 -.3664 -.5412 -.5423
MACH ( 2 ) =	.900	ALPHA ( 5 ) =	5.170
SECTION ( 1 ) FUS. + RFLARE BASE		DEPENDENT VARIABLE CP	
TAP NO	1.0000	2.0000	3.0000 4.0000 5.0000
	.000	-.2012	-.2230 -.3232 -.5385 -.5545
MACH ( 2 ) =	.902	ALPHA ( 6 ) =	10.260
SECTION ( 1 ) FUS. + RFLARE BASE		DEPENDENT VARIABLE CP	
TAP NO	1.0000	2.0000	3.0000 4.0000 5.0000
	.000	-.2042	-.2409 -.3318 -.5554 -.5763
MACH ( 2 ) =	.900	ALPHA ( 7 ) =	14.840
SECTION ( 1 ) FUS. + RFLARE BASE		DEPENDENT VARIABLE CP	
TAP NO	1.0000	2.0000	3.0000 4.0000 5.0000
	.000	-.2361	-.2838 -.3755 -.5645 -.5874





DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

(R92C13) ( 03 JAN 74 )

ARC11-716 0422 01

FUS+RFLARE BASE

PARAMETRIC DATA

MACH = .600 ELEVON = .000  
RUDDER = .000 SPOBRK = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XREF = 29.5800 INCHES  
LREF = 38.7090 INCHES YREF = .0000 INCHES  
BREF = 38.7090 INCHES ZREF = .0000 INCHES  
SCALE = .0000 SCALE

ALPHA ( 1 ) = -13.000 BETA ( 1 ) = -9.873

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1837 -.1887 -.3090 -.3340 -.0401

ALPHA ( 1 ) = -10.010 BETA ( 2 ) = 10.110

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1816 -.2278 -.3264 -.1484 .0086

ALPHA ( 2 ) = -.110 BETA ( 1 ) = -9.980

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1809 -.1937 -.3029 -.3356 -.0505

ALPHA ( 2 ) = -.120 BETA ( 2 ) = 10.010

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1809 -.2136 -.2916 -.1429 -.0014

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DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

(R2C13)

FUS+RFLARE BASE

ARC11-716 0422 01

ALPHA ( 3 ) = 10.150 BETA ( 1 ) = -9.060  
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.0000 -.1932 -.2010 -.2717 -.2699 -.0992

ALPHA ( 3 ) = 10.100 BETA ( 2 ) = 10.110  
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.0000 -.1942 -.2105 -.2372 -.1182 -.0339



DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

(R82C14) ( 03 JAN 74 )

FUS+FLARE BASE

ARC11-716 0422 01

PARAMETRIC DATA

MAON = .900 ELEVON = .000  
RUDDER = .000 SPODBRK = .000

REFERENCE DATA

SREF = 2.4210 38. FT. XREF = 29.5000 INCHES  
LREF = 38.7090 INCHES YREF = .0000 INCHES  
DREF = 38.7090 INCHES ZREF = .0000 INCHES  
SCALE = .0000 SCALE

ALPHA ( 1 ) = -10.160 BETA ( 1 ) = -9.860

SECTION ( 1 ) FUS. + FLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -0.2160 -0.2519 -0.3331 -0.5505 -0.4804

ALPHA ( 1 ) = -10.160 BETA ( 2 ) = 10.070

SECTION ( 1 ) FUS. + FLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -0.2272 -0.2737 -0.2999 -0.5506 -0.4990

ALPHA ( 2 ) = -0.160 BETA ( 1 ) = -9.950

SECTION ( 1 ) FUS. + FLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -0.2131 -0.2369 -0.2976 -0.5394 -0.3808

ALPHA ( 2 ) = -0.160 BETA ( 2 ) = 10.000

SECTION ( 1 ) FUS. + FLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -0.2195 -0.2635 -0.2985 -0.5241 -0.3916



DATE 09 APR 75

TABULATED PRESSURE DATA - 0A22A

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FUS+RFLARE BASE

(RB2C14)

ALPHA ( 3 ) = 10.050 BETA ( 1 ) = -9.070

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2022 -.2067 -.2744 - 5230 -.2227

ALPHA ( 3 ) = 10.120 BETA ( 2 ) = 10.100

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2023 -.2305 -.2505 -.3043 -.2502



DATE 08 APR 75 TABULATED PRESSURE DATA - 0A22A

(RB2C13) ( 03 JAN 74 )

FUS+RFLARE BASE

ARC11-716 3A22 01

PARAMETRIC DATA

MACH = .600 ELEVON = -20.000  
RUDDER = .000 SPEEDBRK = .000

REFERENCE DATA

SNRP = 2.4210 50.FT. WARP = 29.5000 INCHES  
LREF = 30.7393 INCHES YARP = .0000 INCHES  
BREF = 30.7393 INCHES ZARP = .0000 INCHES  
SCALE = .0000 SCALE

ALPHA ( 1 ) = -9.800 BETA ( 1 ) = -9.800

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

YAP 10 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -1.1451 -1.1691 -1.3377 -1.2920 -1.0041

ALPHA ( 1 ) = -9.890 BETA ( 2 ) = 10.100

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

YAP 10 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -1.1401 -1.1925 -1.2987 -1.1152 .0000

ALPHA ( 2 ) = -1.220 BETA ( 1 ) = -9.970

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

YAP 10 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -1.1556 -1.1803 -1.3066 -1.2784 -1.0168

ALPHA ( 2 ) = .000 BETA ( 2 ) = 10.010

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

YAP 10 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -1.1608 -1.1738 -1.1448 -1.1146 .0230

DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

FUS+FLARE BASE (092C15)

ARC11-716 0422 01

ALPHA ( 3 ) = 10.210 BETA ( 1 ) = -9.060  
SECTION ( 1 ) OF 5 - RFLARE BASE DEPENDENT VARIABLE OF

YAP ( 0 ) 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -1.661 -2.161 -2.300 -2.203 -0.896

ALPHA ( 3 ) = 10.190 BETA ( 2 ) = 10.110  
SECTION ( 1 ) OF 5 - RFLARE BASE DEPENDENT VARIABLE OF

YAP ( 0 ) 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -1.646 -1.174 -1.140 -0.954 -0.039



DATE 09 APR 75 TABULATED PRESSURE DATA - 3422A

(RB2C16) ( 03 JAN 74 )

FUS+RFLARE BASE

ARC11-716 3422 B1

PARAMETRIC DATA

W/OH = .900 ELEVON = -20.000  
RUDDER = .000 S+DBRK = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. YMRP = 29.5000 INCHES  
LREF = 38.7000 INCHES YMR = .0000 INCHES  
SREF = 38.7000 INCHES YMR = .0000 INCHES  
SCALE = .0000 SCALE

ALPHA ( 1 ) = -10.060 BETA ( 1 ) = -9.900

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -1.2461 -1.2736 -1.3815 -1.5266 -1.4324

ALPHA ( 1 ) = -10.060 BETA ( 2 ) = 10.060

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -1.2371 -1.2906 -1.3892 -1.5441 -1.4535

ALPHA ( 2 ) = .010 BETA ( 1 ) = -9.970

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -1.2146 -1.2575 -1.3110 -1.5265 -1.2894

ALPHA ( 2 ) = .090 BETA ( 2 ) = 10.000

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -1.2231 -1.2597 -1.2746 -1.5041 -1.3004

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DATE 09 APR 79 TABULATED PRESSURE DATA - 0422A

(R02C16)

FUS+RFLARE BASE

ARC11-716 0422 01

ALPHA ( 3 ) = 10.210 BETA ( 1 ) = -9.880  
 SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP  
 YAP NO 1.0000 2.0000 3.0000 4.0000 5.0000  
 .000 -1.1955 -1.2368 -1.3026 -1.3692 -1.4471  
 ALPHA ( 3 ) = 10.220 BETA ( 2 ) = 10.120  
 SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP  
 YAP NO 1.0000 2.0000 3.0000 4.0000 5.0000  
 .000 -1.1953 -1.2292 -1.1227 -1.3696 -1.2378





DATE 09 APR 73 TABULATED PRESSURE DATA - 0A22A

(R82ED1) / 08 NOV 73 )

ONS NOZZLE

ARC11-716 0A22 01

PARAMETRIC DATA

BETA = .000 ELEVON = .000  
RUDDEF = .000 SPDBRK = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES  
LREF = 38.7090 INCHES YMRP = .0000 INCHES  
BREF = 38.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

MACH ( 1 ) = .597 ALPHA ( 1 ) = -14.480

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

CHI

135.000 -.0533  
180.000 .3316 .4658  
225.000 .0756

MACH ( 1 ) = .598 ALPHA ( 2 ) = -9.840

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

CHI

135.000 -.0758  
180.000 .3311 .3427  
225.000 .0402

MACH ( 1 ) = .596 ALPHA ( 3 ) = -4.850

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

CHI

135.000 -.1031  
180.000 .3160 .2404  
225.000 .0336

MACH ( 1 ) = .597 ALPHA ( 4 ) = .080

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

CHI

135.000 -.1013  
180.000 .2532 .1970  
225.000 .0036

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(R02ED1)

ONS NOZZLE

DATE 09 APR 75 TABULATED PRESSURE DATA - OA22A

ARC11-715 OA22 O1

MACH ( 1 ) = .596 ALPHA ( 5 ) = 5.090

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

PHI

135.000 -.11340  
180.000 -.1689 .1772  
225.000 -.0108

MACH ( 1 ) = .598 ALPHA ( 6 ) = 10.100

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

PHI

135.000 -.1166  
180.000 -.1099 .1102  
225.000 -.0118

MACH ( 1 ) = .599 ALPHA ( 7 ) = 14.590

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

PHI

135.000 -.0898  
180.000 .1872 .1556  
225.000 -.0438

MACH ( 2 ) = .902 ALPHA ( 1 ) = -14.570

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

PHI

135.000 -.1194  
180.000 .4917 .0054  
225.000 -.1498



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(R02ED1)

045 NOZZLE

ARC11-715 0A22 01

MACH ( 2 ) = .899 ALPHA ( 2 ) = -9.730

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

PHI

135.000 -.1065

180.000 -.4378 .0004

225.000 -.1727

MACH ( 2 ) = .901 ALPHA ( 3 ) = -5.010

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

PHI

135.000 -.1009

180.000 -.3901 .0273

225.000 -.1213

MACH ( 2 ) = .902 ALPHA ( 4 ) = .080

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

PHI

135.000 -.1114

180.000 -.2852 .0386

225.000 -.0947

MACH ( 2 ) = .903 ALPHA ( 5 ) = 5.070

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

PHI

135.000 -.1123

180.000 .1682 .0529

225.000 -.0708



DATE 09 APR 75

TABULATED PRESSURE DATA - OA22A

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OMS NOZZLE

(R82ED1)

ARC11-716 OA22 O1

MACH ( 2 ) = .904 ALPHA ( 6 ) = 10.140

SECTION ( 1 ) OMS NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

PHI

135.000 -.1613

180.000 .0540 .0067

225.000 -.0990

MACH ( 2 ) = .903 ALPHA ( 7 ) = 14.600

SECTION ( 1 ) OMS NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

PHI

135.000 -.2023

180.000 -.0482 -.1090

225.000 -.1292



DATE 08 APR 75 TABULATED PRESSURE DATA - 0422A

(RB2ED3) ( 08 NOV 73 )

045 NOZZLE

ARC11-716 0422 01

PARAMETRIC DATA

BETA = .000 ELEVON = -20.000  
RUDDER = .000 SPDRK = .000

REFERENCE DATA

SREF = 2.4210 SQ. FT. XMRP = 29.5800 INCHES  
LRCP = 36.7090 INCHES YMRP = .0000 INCHES  
BRCP = 36.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0300 SCALE

MACH ( 1 ) = .596 ALPHA ( 1 ) = -14.440

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

X/LUM .2000 .4000

CHI  
135.000 -.0919  
160.000 .3339  
225.000 .1772

MACH ( 1 ) = .596 ALPHA ( 2 ) = -9.960

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

X/LUM .2000 .4000

CHI  
135.000 -.0772  
160.000 .3326  
225.000 .1245

MACH ( 1 ) = .596 ALPHA ( 3 ) = -4.670

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

X/LUM .2000 .4000

CHI  
135.000 -.0934  
160.000 .3156  
225.000 .1568

MACH ( 1 ) = .596 ALPHA ( 4 ) = -.010

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

X/LUM .2000 .4000

CHI  
135.000 -.0979  
160.000 .2345  
225.000 .0714

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OF POOR QUALITY

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(R82E03)

ONS NOZZLE

ARC11-71G 0A22 01

MACH ( 1 ) = .596 ALPHA ( 5 ) = 5.000

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LUM .2000 .4000

PMI

135.000 -.0986  
180.000 .1335 .2089  
225.000 -.0150

MACH ( 1 ) = .596 ALPHA ( 6 ) = 9.970

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LUM .2000 .4000

PMI

135.000 -.1215  
180.000 .0492 .1228  
225.000 -.0071

MACH ( 1 ) = .598 ALPHA ( 7 ) = 14.640

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LUM .2000 .4000

PMI

135.000 -.0791  
180.000 .1306 .0776  
225.000 .0228

MACH ( 2 ) = .904 ALPHA ( 1 ) = -14.570

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LUM .2000 .4000

PMI

135.000 -.2575  
180.000 .0361 .0293  
225.000 .1406



DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

(R02ED05)

ONS NOZZLE

ARC11-716 0422 01

MACH ( 2 ) = .903 ALPHA ( 2 ) = -10.030

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

PHI

135.000 -.1728  
180.000 .4360 .0487  
225.000 -.0334

MACH ( 2 ) = .902 ALPHA ( 3 ) = -4.980

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

PHI

135.000 -.1284  
180.000 .3497 .0491  
225.000 -.1099

MACH ( 2 ) = .901 ALPHA ( 4 ) = .000

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

PHI

135.000 -.1252  
180.000 .2461 .0336  
225.000 -.1208

MACH ( 2 ) = .902 ALPHA ( 5 ) = 5.040

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

PHI

135.000 -.0997  
180.000 .1290 .0665  
225.000 -.1033



DATE 09 APR 75

TABULATED PRESSURE DATA - 0422A

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(R82ED5)

042 NOZZLE

ARC11-716 0422 01

MACH ( 2 ) = .905 ALPHA ( 6 ) = 10.010

SECTION ( 1 ) 042 NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

PMI

135.000 -.1509

180.000 .0559 .0405

225.000 -.0792

MACH ( 2 ) = .904 ALPHA ( 7 ) = 14.620

SECTION ( 1 ) 042 NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

PMI

135.000 -.1625

180.000 .0325 -.0298

225.000 -.0923





DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

(RB2ED9) ( 29 SEP 73 )

045 NOZZLE

PARAMETRIC DATA

ALPHA = .0000 ELEVON = .0000  
RUDDER = -10.0000 SPODRK = .0000

REFERENCE DATA

SREF = 2.4213 SQ. FT. XREF = 29.5800 INCHES  
YREF = 38.7033 INCHES YREF = .0000 INCHES  
ZREF = 38.7033 INCHES ZREF = .0000 INCHES  
SCALE = .0000 SCALE

MACH ( 1 ) = .597 BETA ( 1 ) = -9.980

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

PHI

135.000 -1.1755  
160.000 .2346 .2201  
225.000 -1.084

MACH ( 1 ) = .598 BETA ( 2 ) = -4.980

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

PHI

135.000 -1.1368  
160.000 .2735 .1980  
225.000 -1.051

MACH ( 1 ) = .597 BETA ( 3 ) = .000

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

PHI

135.000 -1.1194  
160.000 .2330 .1371  
225.000 -1.0476

MACH ( 1 ) = .598 BETA ( 4 ) = 4.980

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

PHI

135.000 -1.1487  
160.000 .1646 .0238  
225.000 -1.1641

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

045 NOZZLE (R82ED9)

ARC11-716 0A22 01

MACH ( 1 ) = .800 BETA ( 5 ) = 9.990

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

V/U/M .2000 .4000

CHI

135.000 -.1747

160.000 .1649 -.0542

225.000 -.2470

MACH ( 2 ) = .899 BETA ( 1 ) = -9.990

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

V/U/M .2000 .4000

CHI

135.000 -.1831

160.000 .1503 .0343

225.000 .1104

MACH ( 2 ) = .901 BETA ( 2 ) = -4.970

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

V/U/M .2000 .4000

CHI

135.000 -.1392

160.000 .1575 .0539

225.000 -.0161

MACH ( 2 ) = .902 BETA ( 3 ) = .010

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

V/U/M .2000 .4000

CHI

135.000 -.1276

160.000 .2723 .0216

225.000 -.1362



DATE 30 APR 75  
TABULATED PRESSURE DATA - CARDA  
ARC11-716 CAR22 DS  
OMS NOZZLE  
(RB2ED9)

WACH ( 2 ) = .900 BETA ( 4 ) = 4.930  
SECTION ( 1 ) OMS NOZZLE DEPENDENT VARIABLE CP

WACH ( 2 ) = .900 BETA ( 4 ) = 4.930

CHI  
135.000 -.1187  
180.000 -.2022  
225.000 -.1819

WACH ( 2 ) = .900 BETA ( 5 ) = 9.970  
SECTION ( 1 ) OMS NOZZLE DEPENDENT VARIABLE CP

WACH ( 2 ) = .900 BETA ( 5 ) = 9.970

CHI  
135.000 -.2536  
180.000 -.0596  
225.000 -.1772

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OF POOR QUALITY

DATE 09 APR 75 TABULATED PRESSURE DATA - OAZZA

(RB2E10) ( 29 SEP 73 )

OAS NOZZLE

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000  
RUDDER = 10.000 SPDRK = .000

REFERENCE DATA

REF = 2.4210 SQ. FT. XREF = 29.5000 INCHES  
REF = 38.7390 INCHES YREF = .0000 INCHES  
REF = 38.7390 INCHES ZREF = .0000 INCHES  
SCALE = .0000 SCALE

MACH ( 1 ) = .596 BETA ( 1 ) = -9.970

DEPENDENT VARIABLE CP

SECTION ( 1 ) OAS NOZZLE

REF = .0000 .0000 .0000

REF

135.000 -1.2794  
180.000 -2.087 .5033  
225.000 -5.193

MACH ( 1 ) = .597 BETA ( 2 ) = -4.970

DEPENDENT VARIABLE CP

SECTION ( 1 ) OAS NOZZLE

REF = .0000 .0000 .0000

REF

135.000 -1.1725  
180.000 -2.050 -4.210  
225.000 -3.301

MACH ( 1 ) = .596 BETA ( 3 ) = .000

DEPENDENT VARIABLE CP

SECTION ( 1 ) OAS NOZZLE

REF = .0000 .0000 .0000

REF

135.000 -1.0201  
180.000 -2.276 -2.670  
225.000 3.355

MACH ( 1 ) = .597 BETA ( 4 ) = 5.020

DEPENDENT VARIABLE CP

SECTION ( 1 ) OAS NOZZLE

REF = .0000 .0000 .0000

REF

135.000 -1.1202  
180.000 -2.468 -1.550  
225.000 -1.122



(BB2E10)

DATE 09 APR 75 TABULATED PRESSURE DATA - JAZZ

045 NOZZLE

ANGLE 17.5 DEG

WACH ( 1 ) = .500 BETA ( 1 ) = 9.340

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

V/LIN .2000 .4000

CHI

135.000 -.1470

160.000 .2135 .0071

225.000 -.2100

WACH ( 2 ) = .900 BETA ( 1 ) = -9.900

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

V/LIN .2000 .4000

CHI

135.000 -.2102

160.000 .4559 .2294

225.000 .3350

WACH ( 2 ) = .900 BETA ( 2 ) = -4.900

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

V/LIN .2000 .4000

CHI

135.000 -.1344

160.000 .4557 .1600

225.000 .1502

WACH ( 2 ) = .962 BETA ( 3 ) = .000

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

V/LIN .2000 .4000

CHI

135.000 -.1007

160.000 .3550 .1116

225.000 -.1200



DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

(R02E10)

ONS NOZZLE

ARC11-716 0422 01

MACH ( 2 ) = .699 BETA ( 4 ) = 5.000

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

R/LIN .2000 .4000

PMI

135.000 -1.0973

183.000 .2452 .0342

225.000 -1.1553

MACH ( 2 ) = .801 BETA ( 5 ) = 13.010

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

R/LIN .2000 .4000

PMI

135.000 -1.2301

183.000 -1.0293 -1.276

225.000 -1.2956



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(RB2E11) ( 08 NOV 75 )

045 NOZZLE

ARC11-716 0A22 01

PARAMETRIC DATA

BETA = .000 ELEVON = .000  
RUDDER = .000 SPDRK = 35.000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES  
LREF = 38.7000 INCHES YMRP = .0000 INCHES  
BREF = 38.7000 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

MACH ( 1 ) = .595 ALPHA ( 1 ) = -14.370

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

FMI

135.000 -.0681  
180.000 .3002 .6903  
225.000 .0899

MACH ( 1 ) = .597 ALPHA ( 2 ) = -9.790

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

FMI

135.000 -.0836  
180.000 .3108 .5467  
225.000 .1218

MACH ( 1 ) = .598 ALPHA ( 3 ) = -4.790

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

FMI

135.000 -.1128  
180.000 .3130 .4020  
225.000 .1219

MACH ( 1 ) = .598 ALPHA ( 4 ) = .180

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

FMI

135.000 -.1143  
180.000 .2715 .3091  
225.000 .0933

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(RB2E11)

ONS NOZZLE

ARC11-716 0A22 01

MACH ( 1 ) = .597 ALPHA ( 5 ) = 5.220

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/L/NM .2000 .4000

CHI

135.000 -.1193

180.000 -.1867 .2615

225.000 -.0912

MACH ( 1 ) = .597 ALPHA ( 6 ) = 10.260

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/L/NM .2000 .4000

CHI

135.000 -.0767

180.000 -.1439 .2106

225.000 .0556

MACH ( 1 ) = .597 ALPHA ( 7 ) = 14.850

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/L/NM .2000 .4000

CHI

135.000 -.0710

180.000 -.1306 .3604

225.000 -.0381

MACH ( 2 ) = .902 ALPHA ( 1 ) = -14.470

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/L/NM .2000 .4000

CHI

135.000 .0028

180.000 .0235 .4265

225.000 .1417





DATE 03 APR 75 TABULATED PRESSURE DATA - 0422A

(RB2ELL)

ONS NOZZLE

ARC11-716 0422 31

MACH ( 2 ) = .901 ALPHA ( 2 ) = -9.870

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

PHI

135.000 -.0229

180.000 .5202 .3052

225.000 .0773

MACH ( 2 ) = .902 ALPHA ( 3 ) = -4.830

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

PHI

135.000 -.0508

180.000 .5062 .2382

225.000 .0786

MACH ( 2 ) = .903 ALPHA ( 4 ) = .180

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

PHI

135.000 -.0832

180.000 .4312 .2168

225.000 .0809

MACH ( 2 ) = .904 ALPHA ( 5 ) = 5.220

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

PHI

135.000 -.0816

180.000 .2482 .1993

225.000 .0611

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DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(RB2E11)

ONS NOZZLE

ARC11-716 0A22 01

MACH ( 2 ) = .901 ALPHA ( 6 ) = 10.260  
SECTION ( 1 ) OMS NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

FHI

135.000 -.1207  
180.000 -.1421 .1274  
225.000 -.0151

MACH ( 2 ) = .903 ALPHA ( 7 ) = 14.840

SECTION ( 1 ) OMS NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

FHI

135.000 -.1757  
180.000 .0536 .0114  
225.000 -.0558



DATE 03 APR 75 TABULATED PRESSURE DATA - 0422A

045 NOZZLE (R82E12) ( 08 NOV 73 )

PARAMETRIC DATA

BETA = .000 ELEVON = .000  
RUDDER = .000 STDBRK = 55.000

REFERENCE DATA

SRF = 2.4210 53. FT. YARP = 29.5800 INCHES  
REF = 38.7393 INCHES YARP = .0000 INCHES  
BRCF = 38.7393 INCHES Z-GR = .0000 INCHES  
SCALE = .0000 SCALE

MACH ( 1 ) = .595 ALPHA ( 1 ) = -14.450

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

CHI

135.000 -.1042  
180.000 .2837 .8932  
225.000 .0596

MACH ( 1 ) = .596 ALPHA ( 2 ) = -9.830

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

CHI

135.000 -.1140  
180.000 .2859 .7727  
225.000 .1427

MACH ( 1 ) = .597 ALPHA ( 3 ) = -4.820

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

CHI

135.000 -.1399  
180.000 .2914 .6072  
225.000 .1910

MACH ( 1 ) = .598 ALPHA ( 4 ) = .090

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

CHI

135.000 -.1647  
180.000 .2702 .4542  
225.000 .1968



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(RB2E12)

ONS NOZZLE

ARC11-716 0A22 01

MACH ( 1 ) = .597 ALPHA ( 5 ) = 5.190

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

CHI

135.000 -.1367  
180.000 -.1984  
225.000 -.1837

MACH ( 1 ) = .596 ALPHA ( 6 ) = 10.220

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

CHI

135.000 -.0719  
180.000 -.1468  
225.000 .0837

MACH ( 1 ) = .596 ALPHA ( 7 ) = 14.790

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

CHI

135.000 -.0843  
180.000 -.1768  
225.000 -.0437

MACH ( 2 ) = .903 ALPHA ( 1 ) = -14.490

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

CHI

135.000 -.0481  
180.000 -.5338  
225.000 -.2264



(RB2E12)

ONS NOZZLE

DATE 29 APR 75 TABULATED PRESSURE DATA - 5A224

ARC11-715 5A22 75

MACH ( 2 ) = .333 ALPHA ( 2 ) = -9.880  
SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP  
X/LIN .2000 .4000  
PMI  
135.000 -.0195  
180.000 .5062 .7256  
225.000 .2293

MACH ( 2 ) = .898 ALPHA ( 3 ) = -4.840  
SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP  
X/LIN .2000 .4000  
PMI  
135.000 -.0523  
180.000 .5071 .5477  
225.000 .2992

MACH ( 2 ) = .902 ALPHA ( 4 ) = .210  
SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP  
X/LIN .2000 .4000  
PMI  
135.000 -.0815  
180.000 .4517 .4395  
225.000 .2952

MACH ( 2 ) = .900 ALPHA ( 5 ) = 5.170  
SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP  
X/LIN .2000 .4000  
PMI  
135.000 -.0869  
180.000 .2762 .3992  
225.000 .1973

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045 NOZZLE

(RB2E12)

ARC11-716 0A22 01

MACH ( 2 ) = .902 ALPHA ( 6 ) = 10.260

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

CHI

135.000 -.0866

180.000 .2000 .2812

225.000 .3750

MACH ( 2 ) = .900 ALPHA ( 7 ) = 14.840

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

CHI

135.000 -.0516

180.000 .1611 .1820

225.000 .3003



DATE 03 APR 75 TABULATED PRESSURE DATA - 0422A

(RB2E13) (03 JAN 74)

045 NOZZLE

ARC11-716 JAZZ D1

PARAMETRIC DATA

MACH = .600 ELEVON = .000  
RUDDER = .000 SPOILER = .000

REFERENCE DATA

SRF = 2.4213 SQ.FT. XREF = 29.5830 INCHES  
REF = 38.7033 INCHES YREF = .0000 INCHES  
REF = 38.7033 INCHES ZREF = .0000 INCHES  
SCALE = .0000 SCALE

ALPHA ( 1 ) = -10.000 BETA ( 1 ) = -9.870

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

V/LIN .2000 .4000

CHI

135.000 -.2144  
160.000 -.2653 .6076  
225.000 .5434

ALPHA ( 1 ) = -10.010 BETA ( 2 ) = 10.110

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

V/LIN .2000 .4000

CHI

135.000 -.1301  
160.000 -.2740 .0290  
225.000 -.2576

ALPHA ( 2 ) = -1.110 BETA ( 1 ) = -9.980

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

V/LIN .2000 .4000

CHI

135.000 -.2116  
160.000 .2300 .3200  
225.000 .3179

ALPHA ( 2 ) = -1.120 BETA ( 2 ) = 10.010

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

V/LIN .2000 .4000

CHI

135.000 -.1391  
160.000 .1755 -.0331  
225.000 -.2305

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OF PROB QUALITY

(R82E13)

ONS NOZZLE

TABULATED PRESSURE DATA - OM22A

ARC11-716 OM22 D1

ALPHA ( 3 ) = 10.152 BETA ( 1 ) = -9.060

DEPENDENT VARIABLE CP

SECTION ( 1 ) ONS NOZZLE

R/UM .2000 .4000

CHI

135.000 -.1402

160.000 .1063

225.000 -.1324

ALPHA ( 3 ) = 10.180 BETA ( 2 ) = 10.110

DEPENDENT VARIABLE CP

SECTION ( 1 ) ONS NOZZLE

R/UM .2000 .4000

CHI

135.000 -.1062

160.000 .1752

225.000 -.1728





DATE 09 APR 75 TABULATED PRESSURE DATA - 2422A

(882E14) ( 03 JAN 74 )

DVS NOZZLE

ATC11-741 2422 04

PARAMETRIC DATA

MACH = .900 ELEVON = .000  
RUDDER = .000 SPEEDBRK = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. VREF = 29.5800 INCHES  
REF = 38.7000 INCHES VREF = 10000 INCHES  
REF = 38.7000 INCHES ZREF = 10000 INCHES  
SCALE = 10000 SCALE

ALPHA ( 1 ) = -10.160 BETA ( 1 ) = -9.860

SECTION ( 1 ) DVS NOZZLE DEPENDENT VARIABLE CP

V/LIN .2000 .4000

PHI

135.000 -.1861  
160.000 .4994 .1812  
225.000 .2594

ALPHA ( 1 ) = -10.160 BETA ( 2 ) = 10.070

SECTION ( 1 ) DVS NOZZLE DEPENDENT VARIABLE CP

V/LIN .2000 .4000

PHI

135.000 -.2689  
160.000 -.0445 -.2007  
225.000 -.3334

ALPHA ( 2 ) = -.160 BETA ( 1 ) = -9.950

SECTION ( 1 ) DVS NOZZLE DEPENDENT VARIABLE CP

V/LIN .2000 .4000

PHI

135.000 -.1047  
160.000 .3878 .1084  
225.000 .1329

ALPHA ( 2 ) = -.160 BETA ( 2 ) = 10.000

SECTION ( 1 ) DVS NOZZLE DEPENDENT VARIABLE CP

V/LIN .2000 .4000

PHI

135.000 -.2520  
160.000 -.3888 -.1697  
225.000 -.2999

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DATE 30 APR 75 TABULATED PRESSURE DATA - 0A22A

(R02E14)

ONS NOZZLE

ARC11-716 0A22 01

ALPHA ( 3 ) = 10.030 BETA ( 1 ) = -9.870

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

V/LIN .2000 .4000

PMI

135.000 -.1795

160.000 -.1452 .1669

225.000 -.0431

ALPHA ( 3 ) = 10.120 BETA ( 2 ) = 10.100

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

V/LIN .2000 .4000

PMI

135.000 -.2433

160.000 -.0254 -.0767

225.000 -.1626



DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

(RB2E15) ( 03 JAN 74 )

045 NOZZLE

PARAMETRIC DATA

MACH = .630 ELEVON = -20.000  
 RUDDER = .000 SPOBRK = .000

REFERENCE DATA

REF = 2.4210 50. FT. XREF = 29.5000 INCHES  
 XREF = 30.7330 INCHES YREF = .0000 INCHES  
 YREF = 30.7330 INCHES ZREF = .0000 INCHES  
 SCALE = .0000 SCALE

ALPHA ( 1 ) = -9.900 BETA ( 1 ) = -9.000

DEPENDENT VARIABLE OF

SECTION ( 1 ) 045 NOZZLE

1/2 IN .2000 .4000

PMI

135.000 -.2232  
 160.000 .2470 .6036  
 225.000 .0002

ALPHA ( 1 ) = -9.000 BETA ( 2 ) = 10.100

DEPENDENT VARIABLE OF

SECTION ( 1 ) 045 NOZZLE

1/2 IN .2000 .4000

PMI

135.000 -.1236  
 160.000 .2455 .0006  
 225.000 -.1472

ALPHA ( 2 ) = -.220 BETA ( 1 ) = -9.970

DEPENDENT VARIABLE OF

SECTION ( 1 ) 045 NOZZLE

1/2 IN .2000 .4000

PMI

135.000 -.1076  
 160.000 .2192 .2568  
 225.000 .1367

ALPHA ( 2 ) = .000 BETA ( 2 ) = 10.010

DEPENDENT VARIABLE OF

SECTION ( 1 ) 045 NOZZLE

1/2 IN .2000 .4000

PMI

135.000 -.1363  
 160.000 .1667 -.0005  
 225.000 -.1211

DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

INB2E15) OMS NOZZLE

ARC11-716 0422 O1

ALPHA ( 3 ) = 10.210 BETA ( 1 ) = -9.060

SECTION ( 1 ) OMS NOZZLE DEPENDENT VARIABLE CP

1/2 IN .2500 .4000

CHI

135.000 -.1606

180.000 .0361 .1472

225.000 -.2739

ALPHA ( 3 ) = 10.150 BETA ( 2 ) = 10.110

SECTION ( 1 ) OMS NOZZLE DEPENDENT VARIABLE CP

1/2 IN .2500 .4000

CHI

135.000 -.1922

180.000 .1748 .0302

225.000 -.3672



TABULATED PRESSURE DATA - 0A22A

DATE 09 APR 75

(RB2E16) ( 03 JAN 74 )

245 NOZZLE

ARC11-716 0A22 01

PARAMETRIC DATA

MACH = .900 ELEVON = -20.000  
RUDDER = .0000 SPDBRK = .0000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES  
LREF = 38.7090 INCHES YMRP = .0000 INCHES  
BREF = 38.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

ALPHA ( 1 ) = -10.060 BETA ( 1 ) = -9.900

SECTION ( 1 ) 0MS NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

CHI  
135.000 -.2619  
180.000 .4516 .2432  
225.000 .3861

ALPHA ( 1 ) = -10.060 BETA ( 2 ) = 10.060

SECTION ( 1 ) 0MS NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

CHI  
135.000 -.1760  
180.000 .3230 -.0469  
225.000 -.1613

ALPHA ( 2 ) = .010 BETA ( 1 ) = -9.970

SECTION ( 1 ) 0MS NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

CHI  
135.000 -.1829  
180.000 .3106 .0776  
225.000 -.0293

ALPHA ( 2 ) = .090 BETA ( 2 ) = 10.000

SECTION ( 1 ) 0MS NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

CHI  
135.000 -.1433  
180.000 .1911 -.0276  
225.000 -.1348

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(RB2E16)

ONS NOZZLE

TABULATED PRESSURE DATA - OAZ2A

ARC11-716 OAZ2 01

ALPHA ( 3 ) = 10.210 BETA ( 1 ) = -9.880

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LUM .2000 .4000

PHI

135.000 -.1916

180.000 -.0553 .0499

225.000 -.2354

ALPHA ( 3 ) = 10.220 BETA ( 2 ) = 10.120

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LUM .2000 .4000

PHI

135.000 -.2374

180.000 -.0340 -.1175

225.000 -.1481



DATE 09 APR '73 TABULATED PRESSURE DATA - 0A22A

(RB2701) ( 08 NOV 73 )

BODY FLAP

ARC11-716 0A22 01

PARAMETRIC DATA

BETA = .000 ELEVON = .000  
RUDDER = .000 SPOBRK = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XREF = 29.5800 INCHES  
LREF = 38.7090 INCHES YREF = .0000 INCHES  
BREF = 38.7090 INCHES ZREF = .0000 INCHES  
SCALE = .0000 SCALE

MACH ( 1 ) = .597 ALPHA ( 1 ) = -14.480

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.0000 -.0928 -.0871 -.1538 -.1482 -.2096 -.2269

MACH ( 1 ) = .598 ALPHA ( 2 ) = -9.840

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.0000 -.0716 -.0690 -.1427 -.1403 -.2086 -.2277

MACH ( 1 ) = .596 ALPHA ( 3 ) = -4.850

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.0000 -.0736 -.0757 -.1321 -.1378 -.2005 -.2164

MACH ( 1 ) = .597 ALPHA ( 4 ) = .080

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.0000 -.0735 -.0696 -.1374 -.1317 -.2006 -.2071



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(R82F01)

BODY FLAP

ARC11-716 0A22 01

MACH ( 1 ) = .596 ALPHA ( 5 ) = 5.390

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP ID 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0659 -.0602 -.1286 -.1265 -.1921 -.1936

MACH ( 1 ) = .598 ALPHA ( 6 ) = 10.100

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP ID 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0488 -.0482 -.1148 -.1187 -.2021 -.2086

MACH ( 1 ) = .599 ALPHA ( 7 ) = 14.590

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP ID 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0348 -.0374 -.1066 -.1182 -.2256 -.2359

MACH ( 2 ) = .902 ALPHA ( 1 ) = -14.570

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP ID 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0829 -.1019 -.1617 -.1865 -.2704 -.2763

MACH ( 2 ) = .899 ALPHA ( 2 ) = -9.730

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP ID 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0423 -.0685 -.1264 -.1660 -.2388 -.2527





## DATE 03 APR 75 TABULATED PRESSURE DATA - CM22A

(RG2F01)

BODY FLAP

ARC11-716 CM22 01

MACH ( 2 ) = .901 ALPHA ( 3 ) = -5.010  
 SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP  
 TAP ID 169.0000170.0000171.0000172.0000173.0000174.0000  
 .000 -.0298 -.0674 -.1129 -.1321 -.2105 -.2235  
 MACH ( 2 ) = .902 ALPHA ( 4 ) = .080  
 SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP  
 TAP ID 169.0000170.0000171.0000172.0000173.0000174.0000  
 .000 -.0282 -.0543 -.1108 -.1213 -.2097 -.2129  
 MACH ( 2 ) = .903 ALPHA ( 5 ) = 5.070  
 SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP  
 TAP ID 169.0000170.0000171.0000172.0000173.0000174.0000  
 .000 -.0102 -.0293 -.0978 -.1088 -.2068 -.2097  
 MACH ( 2 ) = .904 ALPHA ( 6 ) = 13.140  
 SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP  
 TAP ID 169.0000170.0000171.0000172.0000173.0000174.0000  
 .000 -.0172 -.0258 -.0902 -.1131 -.2193 -.2220  
 MACH ( 2 ) = .903 ALPHA ( 7 ) = 14.600  
 SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP  
 TAP ID 169.0000170.0000171.0000172.0000173.0000174.0000  
 .000 -.0356 -.0351 -.1017 -.1208 -.2731 -.2692

DATE 09 APR 75 TABULATED PRESSURE DATA - 2422A  
ARC11-716 2422 01

(R82F05) ( 08 NOV 73 )

PARAMETRIC DATA  
BETA = .000 ELEVON = -20.000  
RUDDER = .000 SPDBRK = .000

REFERENCE DATA

SRF = 2.4210 50.FT. XMRP = 29.5000 INCHES  
LREF = 38.7090 INCHES YMRP = .0000 INCHES  
DRF = 38.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

MACH ( 1 ) = .598 ALPHA ( 1 ) = -14.440

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP ID 169.0000173.0000171.0000172.0000173.0000174.0000

.000 -1.1443 -1.1437 -1.1513 -1.1596 -1.1691 -1.1880

MACH ( 1 ) = .598 ALPHA ( 2 ) = -9.980

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP ID 169.0000173.0000171.0000172.0000173.0000174.0000

.000 -1.1203 -1.1133 -1.1359 -1.1424 -1.1644 -1.1780

MACH ( 1 ) = .596 ALPHA ( 3 ) = -4.870

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP ID 169.0000173.0000171.0000172.0000173.0000174.0000

.000 -1.1210 -1.1291 -1.1362 -1.1502 -1.1705 -1.1806

MACH ( 1 ) = .598 ALPHA ( 4 ) = -1.010

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP ID 169.0000173.0000171.0000172.0000173.0000174.0000

.000 -1.1231 -1.1237 -1.1393 -1.1488 -1.1749 -1.1849



IRB2F05)

BODY FLAP

DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

ARC11-716 0422 01

MACH ( 1 ) = .596 ALPHA ( 5 ) = 5.000  
SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE OF  
TAP NO 169.0000173.0000171.0000172.0000173.0000174.0000

.000 -.1032 -.1076 -.1384 -.1414 -.1652 -.1794

MACH ( 1 ) = .596 ALPHA ( 6 ) = 9.970  
SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE OF  
TAP NO 169.0000173.0000171.0000172.0000173.0000174.0000

.000 -.0688 -.1003 -.1313 -.1434 -.1716 -.1921

MACH ( 1 ) = .596 ALPHA ( 7 ) = 14.640  
SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE OF  
TAP NO 169.0000173.0000171.0000172.0000173.0000174.0000

.000 -.0783 -.0910 -.1204 -.1414 -.1948 -.2039

MACH ( 2 ) = .904 ALPHA ( 1 ) = -14.570  
SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE OF  
TAP NO 169.0000173.0000171.0000172.0000173.0000174.0000

.000 -.2598 -.2750 -.2331 -.2668 -.3713 -.3544

MACH ( 2 ) = .903 ALPHA ( 2 ) = -10.030  
SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE OF  
TAP NO 169.0000173.0000171.0000172.0000173.0000174.0000

.000 -.2344 -.3671 -.2174 -.2933 -.3087 -.3482

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(R82F03)

BODY FLAP

DATE 08 APR 75 TABULATED PRESSURE DATA - 0422A

ARC11-716 0422 01

MACH ( 2 ) = .902 ALPHA ( 3 ) = -4.980  
 SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP  
 TAP ID 169.0000173.0000171.0000172.0000173.0000174.0000  
 .000 -.2377 -.3142 -.1896 -.2337 -.2390 -.2738  
 MACH ( 2 ) = .901 ALPHA ( 4 ) = .000  
 SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP  
 TAP ID 169.0000173.0000171.0000172.0000173.0000174.0000  
 .000 -.3093 -.3177 -.2068 -.2330 -.2393 -.2537  
 MACH ( 2 ) = .902 ALPHA ( 5 ) = 5.040  
 SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP  
 TAP ID 169.0000173.0000171.0000172.0000173.0000174.0000  
 .000 -.2581 -.2725 -.1723 -.1983 -.2270 -.2348  
 MACH ( 2 ) = .903 ALPHA ( 6 ) = 10.010  
 SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP  
 TAP ID 169.0000173.0000171.0000172.0000173.0000174.0000  
 .000 -.3346 -.2562 -.1692 -.2012 -.2222 -.2285  
 MACH ( 2 ) = .904 ALPHA ( 7 ) = 14.620  
 SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP  
 TAP ID 169.0000173.0000171.0000172.0000173.0000174.0000  
 .000 -.4712 -.3133 -.2230 -.1993 -.2130 -.2367



DATE 08 APR 75 TABULATED PRESSURE DATA - 0422A

(RB2700) ( 29 SEP 75 )

BODY FLAP

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000  
RUDDER = -10.000 SPOILER = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. YMRP = 29.5800 INCHES  
UREF = 38.7000 INCHES YMRP = .0000 INCHES  
DRPF = 38.7000 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

MACH ( 1 ) = .597 BETA ( 1 ) = -9.980

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0779 -.0901 -.1472 -.1427 -.2514 -.2213

MACH ( 1 ) = .598 BETA ( 2 ) = -4.980

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0809 -.0758 -.1469 -.1300 -.2409 -.2012

MACH ( 1 ) = .597 BETA ( 3 ) = .000

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0776 -.0711 -.1385 -.1328 -.2040 -.2115

MACH ( 1 ) = .598 BETA ( 4 ) = 4.980

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0804 -.0741 -.1386 -.1404 -.2243 -.2308

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(R82F09)

DATE 09 APR 75 TABULATED PRESSURE DATA - QAZ2A

ARC11-716 QAZ2 01

BODY FLAP

MACH ( 1 ) = .800 BETA ( 3 ) = 9.990

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP ID 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0905 -.0790 -.1439 -.1524 -.2470 -.2617

MACH ( 2 ) = .899 BETA ( 1 ) = -9.950

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP ID 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0476 -.0934 -.1467 -.1543 -.2697 -.2325

MACH ( 2 ) = .901 BETA ( 2 ) = -4.970

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP ID 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0391 -.0666 -.1263 -.1173 -.2362 -.2080

MACH ( 2 ) = .902 BETA ( 3 ) = .010

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP ID 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0302 -.0540 -.1143 -.1245 -.2115 -.2192

MACH ( 2 ) = .900 BETA ( 4 ) = 4.990

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP ID 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0439 -.0561 -.1237 -.1420 -.2409 -.2457



DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

ARC:1-710 0422 01

(R82F09)

BODY FLAP

WAGM ( 2 ) = .931 BETA ( 5 ) = 9.973

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

YAP ( 3 ) 169.0000173.0000171.0000172.0000173.0000174.0000

.000 -.0593 -.0715 -.1396 -.1733 -.2323 -.2900

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DATE 09 APR 75

TABULATED PRESSURE DATA - 0422A

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ARC11-716 0422 01

ROOT FLAP

(RREF10) ( 29 SEP 75 )

## REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES  
 LREF = 36.7090 INCHES YMRP = .0000 INCHES  
 BREF = 36.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0000 SCALE

MACH ( 1 ) = .596 BETA ( 1 ) = -9.970

SECTION ( 1 ) 1030Y FLAP DEPENDENT VARIABLE CP

YAC (0) 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -1.0639 -.0955 -.1492 -.1495 -.2540 -.2421

MACH ( 1 ) = .597 BETA ( 2 ) = -4.970

SECTION ( 1 ) 1030Y FLAP DEPENDENT VARIABLE CP

YAC (0) 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -1.0616 -.0937 -.1467 -.1338 -.2308 -.2165

MACH ( 1 ) = .596 BETA ( 3 ) = .020

SECTION ( 1 ) 1030Y FLAP DEPENDENT VARIABLE CP

YAC (0) 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -1.0770 -.0722 -.1376 -.1395 -.2079 -.2249

MACH ( 1 ) = .597 BETA ( 4 ) = 5.020

SECTION ( 1 ) 1030Y FLAP DEPENDENT VARIABLE CP

YAC (0) 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -1.0605 -.0695 -.1396 -.1357 -.2297 -.2252

## PARAMETRIC DATA

ALPHA = .000 ELEVON = .000  
 RUDDER = 10.000 SPOBRK = .000





DATE 29 APR 75 TABULATED PRESSURE DATA - 0422A BODY FLAP (R02F10)

ARC11-716 0422 01

MACH ( 1 ) = .000 BETA ( 5 ) = 9.940  
SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP ID 169.0000173.0000171.0000172.0000173.0000174.0000

.0000 -.0070 -.0734 -.1440 -.1470 -.2307 -.2426

MACH ( 2 ) = .000 BETA ( 1 ) = -9.030  
SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP ID 169.0000173.0000171.0000172.0000173.0000174.0000

.0000 -.0509 -.1041 -.1456 -.1635 -.2920 -.2479

MACH ( 2 ) = .001 BETA ( 2 ) = -4.950  
SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP ID 169.0000173.0000171.0000172.0000173.0000174.0000

.0000 -.0419 -.0697 -.1265 -.1151 -.2317 -.2104

MACH ( 2 ) = .002 BETA ( 3 ) = .030  
SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP ID 169.0000173.0000171.0000172.0000173.0000174.0000

.0000 -.0317 -.0362 -.1146 -.1266 -.2179 -.2277

MACH ( 2 ) = .006 BETA ( 4 ) = 9.000  
SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP ID 169.0000173.0000171.0000172.0000173.0000174.0000

.0000 -.0421 -.0516 -.1240 -.1370 -.2350 -.2356

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DATE 30 APR 73

TABULATED PRESSURE DATA - 0422A

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ARC11-716 0422 01

INSTR 101

BODY FLAP

MACH ( 2 ) = .90; BETA ( 3 ) = 10.010

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 100.0000173.0000171.0000172.0000173.0000174.0000

.000 -.0520 -.0424 -.1445 -.1661 -.2726 -.2695



(R22F11) ( 08 NOV 73 )

ARC11-716 0422 01

BOOY FLAP

PARAMETRIC DATA  
BETA = .000 ELEVON = .000  
RUDDER = .000 SPDRK = 35.000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES  
LREF = 38.7090 INCHES YMRP = .0000 INCHES  
SREF = 38.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

MACH ( 1 ) = .595 ALPHA ( 1 ) = -14.370

SECTION ( 1 ) BOOY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.1035 -.0990 -.1661 -.1700 -.2337 -.2586

MACH ( 1 ) = .597 ALPHA ( 2 ) = -9.790

SECTION ( 1 ) BOOY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0816 -.0825 -.1148 -.1505 -.2225 -.2589

MACH ( 1 ) = .598 ALPHA ( 3 ) = -4.790

SECTION ( 1 ) BOOY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0804 -.0879 -.1366 -.1560 -.2144 -.2513

MACH ( 1 ) = .598 ALPHA ( 4 ) = .180

SECTION ( 1 ) BOOY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0804 -.0769 -.1445 -.1507 -.2217 -.2348



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A  
ARC11-716 0A22 01 BODY FLAP  
(R82F11)

MACH ( 1 ) = .597 ALPHA ( 5 ) = 5.220  
SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP  
TAP ID 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0726 -.0693 -.1395 -.1384 -.2226 -.2303  
MACH ( 1 ) = .597 ALPHA ( 6 ) = 10.260  
SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP  
TAP ID 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0907 -.0516 -.1246 -.1299 -.2241 -.2313  
MACH ( 1 ) = .597 ALPHA ( 7 ) = 14.850  
SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP  
TAP ID 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0335 -.0385 -.1145 -.1234 -.2628 -.2628  
MACH ( 2 ) = .902 ALPHA ( 1 ) = -14.470  
SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP  
TAP ID 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0873 -.1109 -.1657 -.1966 -.2883 -.2972  
MACH ( 2 ) = .901 ALPHA ( 2 ) = -9.870  
SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP  
TAP ID 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0417 -.0937 -.1294 -.1750 -.2647 -.2769



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A  
ARC11-716 0A22 01  
BODY FLAP  
(RB2F11)

MACH ( 2 ) = .902 ALPHA ( 3 ) = -4.830  
SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP  
TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0330 -.0807 -.1169 -.1452 -.2286 -.2577

MACH ( 2 ) = .900 ALPHA ( 4 ) = .180  
SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP  
TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0330 -.0567 -.1215 -.1351 -.2340 -.2327

MACH ( 2 ) = .904 ALPHA ( 5 ) = 5.220  
SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP  
TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0115 -.0356 -.1001 -.1186 -.2293 -.2264

MACH ( 2 ) = .901 ALPHA ( 6 ) = 10.260  
SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP  
TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0067 -.0253 -.0925 -.1168 -.2394 -.2410

MACH ( 2 ) = .903 ALPHA ( 7 ) = 14.840  
SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP  
TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0424 -.0420 -.1048 -.1150 -.2803 -.2866

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DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

RB2F12) ( 08 NOV 73 ) BODY FLAP

PARAMETRIC DATA

BETA = .000 ELEVON = .000  
RUDDER = .000 SPDBRK = 55.000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES  
LREF = 38.7090 INCHES YMRP = .0000 INCHES  
BREF = 38.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0300 SCALE

MACH ( 1 ) = .596 ALPHA ( 1 ) = -14.450

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE OF

TAP ID 169.0000173.0000171.0000172.0000173.0000174.0000

.000 -.1135 -.1090 -.1803 -.1824 -.2697 -.2328

MACH ( 1 ) = .596 ALPHA ( 2 ) = -9.830

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE OF

TAP ID 169.0000173.0000171.0000172.0000173.0000174.0000

.000 -.0958 -.0964 -.1590 -.1714 -.2498 -.3039

MACH ( 1 ) = .597 ALPHA ( 3 ) = -4.820

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE OF

TAP ID 169.0000173.0000171.0000172.0000173.0000174.0000

.000 -.0920 -.1005 -.1464 -.1771 -.2300 -.2371

MACH ( 1 ) = .598 ALPHA ( 4 ) = .090

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE OF

TAP ID 169.0000173.0000171.0000172.0000173.0000174.0000

.000 -.0896 -.0920 -.1536 -.1697 -.2354 -.2808



(R82F12)

BODY FLAP

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

ARC11-716 0A22 01

MACH ( 1 ) = .597 ALPHA ( 5 ) = 5.190

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP ID 169.0000173.0000171.0000172.0000173.0000174.0000

.000 -.0036 -.0703 -.1509 -.1547 -.2472 -.2605

MACH ( 1 ) = .596 ALPHA ( 6 ) = 10.220

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP ID 169.0000173.0000171.0000172.0000173.0000174.0000

.000 -.0603 -.0624 -.1400 -.1447 -.2472 -.2582

MACH ( 1 ) = .596 ALPHA ( 7 ) = 14.790

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP ID 169.0000173.0000171.0000172.0000173.0000174.0000

.000 -.0456 -.0509 -.1249 -.1441 -.2892 -.2939

MACH ( 2 ) = .903 ALPHA ( 1 ) = -14.490

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP ID 169.0000173.0000171.0000172.0000173.0000174.0000

.000 -.0390 -.1128 -.1682 -.2216 -.3317 -.3484

MACH ( 2 ) = .900 ALPHA ( 2 ) = -9.880

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP ID 169.0000173.0000171.0000172.0000173.0000174.0000

.000 -.0491 -.1003 -.1363 -.1904 -.2963 -.3372

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(R82F12)

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

ARC11-716 0A22 01

BODY FLAP

MACH ( 2 ) =	.898	ALPHA ( 3 ) =	-4.840
SECTION ( 1 ) BODY FLAP		DEPENDENT VARIABLE CP	
TAP ID	169.0000173.0000171.0000172.0000173.0000174.0000		
	.000	-.0447	-.0875
		-.1353	-.1771
		-.2578	-.2996
MACH ( 2 ) =	.902	ALPHA ( 4 ) =	.210
SECTION ( 1 ) BODY FLAP		DEPENDENT VARIABLE CP	
TAP ID	169.0000173.0000171.0000172.0000173.0000174.0000		
	.000	-.0411	-.0712
		-.1284	-.1519
		-.2593	-.2683
MACH ( 2 ) =	.900	ALPHA ( 5 ) =	5.170
SECTION ( 1 ) BODY FLAP		DEPENDENT VARIABLE CP	
TAP ID	169.0000173.0000171.0000172.0000173.0000174.0000		
	.000	-.0209	-.0428
		-.1140	-.1343
		-.2594	-.2692
MACH ( 2 ) =	.902	ALPHA ( 6 ) =	10.260
SECTION ( 1 ) BODY FLAP		DEPENDENT VARIABLE CP	
TAP ID	169.0000173.0000171.0000172.0000173.0000174.0000		
	.000	-.0248	-.0346
		-.0985	-.1272
		-.2315	-.2648
MACH ( 2 ) =	.900	ALPHA ( 7 ) =	14.840
SECTION ( 1 ) BODY FLAP		DEPENDENT VARIABLE CP	
TAP ID	169.0000173.0000171.0000172.0000173.0000174.0000		
	.000	-.0293	-.0329
		-.1041	-.1215
		-.2982	-.3038





ARC11-716 0A22 01

BODY FLAP

(RBP2F13) ( 03 JAN 74 )

## REFERENCE DATA

SREF = 2.4210 SQ.FT. XREF = 29.5800 INCHES  
 LREF = 38.7090 INCHES YREF = .0000 INCHES  
 SREF = 38.7090 INCHES ZREF = .0000 INCHES  
 SCALE = .0000 SCALE

ALPHA ( 1 ) = -10.000 BETA ( 1 ) = -9.870

SECTION ( 1 ) BODY FLAP DEFICIENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -1.044 -.1264 -.1610 -.1711 -.2319 -.2218

ALPHA ( 1 ) = -10.010 BETA ( 2 ) = 10.110

SECTION ( 1 ) BODY FLAP DEFICIENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -1.069 -.0722 -.1663 -.1344 -.2567 -.2644

ALPHA ( 2 ) = -1.110 BETA ( 1 ) = -9.980

SECTION ( 1 ) BODY FLAP DEFICIENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0817 -.0933 -.1479 -.1450 -.2421 -.2302

ALPHA ( 2 ) = -.120 BETA ( 2 ) = 10.010

SECTION ( 1 ) BODY FLAP DEFICIENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0873 -.0728 -.1431 -.1449 -.2401 -.2466

## PARAMETRIC DATA

MACH = .600 ELEVON = .000  
 RUDDER = .000 SPOBRK = .000



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(RB2F13)

BODY FLAP

ALPHA ( 3 ) = 10.150 BETA ( 1 ) = -9.860  
SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CF

TAP NO 169.0000173.0000171.0000172.0000173.0000174.0000

.000 -0.0542 -0.0572 -0.1324 -0.1306 -0.2670 -0.2437

ALPHA ( 3 ) = 10.180 BETA ( 2 ) = 10.110

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CF

TAP NO 169.0000173.0000171.0000172.0000173.0000174.0000

.000 -0.0609 -0.0618 -0.1314 -0.1424 -0.2590 -0.2489



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(RB2F14) ( 03 JAN 74 )

BOOY FLAP

ARC11-716 0A22 01

# REFERENCE DATA

REF = 2.4210 58.77. XMRP = 29.5800 INCHES  
 CRF = 38.7333 INCHES YMRP = .0000 INCHES  
 DREF = 38.7333 INCHES ZMRP = .0000 INCHES  
 SCALE = .0000 SCALE

ALPHA ( 1 ) = -10.160 BETA ( 1 ) = -9.860

SECTION ( 1 ) BOOY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000173.0000171.0000172.0000173.0000174.0000

.000 -.1131 -.1532 -.1733 -.1903 -.2035 -.2721

ALPHA ( 1 ) = -10.160 BETA ( 2 ) = 10.070

SECTION ( 1 ) BOOY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000173.0000171.0000172.0000173.0000174.0000

.000 -.1127 -.1771 -.1840 -.1634 -.2826 -.2957

ALPHA ( 2 ) = -.160 BETA ( 1 ) = -9.950

SECTION ( 1 ) BOOY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000173.0000171.0000172.0000173.0000174.0000

.000 -.0555 -.1030 -.1413 -.1516 -.2715 -.2292

ALPHA ( 2 ) = -.160 BETA ( 2 ) = 10.000

SECTION ( 1 ) BOOY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000173.0000171.0000172.0000173.0000174.0000

.000 -.0617 -.0729 -.1469 -.1759 -.2885 -.2744

# PARAMETRIC DATA

MACH = .900 ELEVON = .000  
 RUDDER = .000 SPOGK = .000

DATE 08 APR 73

TABULATED PRESSURE DATA - 0A22A

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BODY FLAP

(RB2F14)

ALPHA ( 3 ) = 10.090    ZETA ( 1 ) = -9.870

SECTION ( 1 ) BODY FLAP    DEPENDENT VARIABLE CP

TAC ID 169.0000173.0000171.0000172.0000173.0000174.0000

.000    -.0273    -.0360    -.1226    -.1350    -.2632    -.2312

ALPHA ( 3 ) = 10.120    BETA ( 2 ) = 10.100

SECTION ( 1 ) BODY FLAP    DEPENDENT VARIABLE CP

TAC ID 169.0000173.0000171.0000172.0000173.0000174.0000

.000    -.0365    -.0411    -.1204    -.1548    -.2695    -.2694



DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

(RBSF15) ( 03 JAN 74 )

BODY FLAP

REFERENCE DATA

SREF = 2.4210 30. FT. YMRP = 29.5000 INCHES  
 LREF = 30.7390 INCHES YMRP = .0000 INCHES  
 SREF = 30.7390 INCHES ZMRP = .0000 INCHES  
 SCALE = .0000 SCALE

PARAMETRIC DATA

MACH = .600 ELEVON = -20.000  
 RUDDER = .000 SFDPRK = .000

ALPHA ( 1 ) = -9.000 BETA ( 1 ) = -9.000

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE OF

TAP NO 169.0000173.0000171.0000172.0000173.0000174.0000

.000 -.1364 -.1174 -.1377 -.1336 -.1730 -.1609

ALPHA ( 1 ) = -9.000 BETA ( 2 ) = 10.100

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE OF

TAP NO 169.0000173.0000171.0000172.0000173.0000174.0000

.000 -.1450 -.1600 -.1590 -.1065 -.1010 -.2224

ALPHA ( 2 ) = -.220 BETA ( 1 ) = -9.970

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE OF

TAP NO 169.0000173.0000171.0000172.0000173.0000174.0000

.000 -.1289 -.1230 -.1731 -.1562 -.2215 -.2206

ALPHA ( 2 ) = .000 BETA ( 2 ) = 10.010

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE OF

TAP NO 169.0000173.0000171.0000172.0000173.0000174.0000

.000 -.1305 -.1457 -.1772 -.1790 -.2243 -.2030



DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

(082F15)

BOOT FLAP

ALPHA ( 3 ) = 10.210 BETA ( 1 ) = -9.860

SECTION ( 11800Y FLAP DEPENDENT VARIABLE CP

YAP (0 169.0000173.0000171.0000172.0000173.0000174.0000

.000 -.1013 -.1001 -.1364 -.1490 -.2552 -.2608

ALPHA ( 3 ) = 10.190 BETA ( 2 ) = 10.110

SECTION ( 11800Y FLAP DEPENDENT VARIABLE CP

YAP (0 169.0000173.0000171.0000172.0000173.0000174.0000

.000 -.1117 -.1421 -.1578 -.1775 -.2504 -.2293



DATE 08 APR 75 TABULATED PRESSURE DATA - 0422A

(R02F16) ( 03 JAN 74 )

BODY FLAP

PARAMETRIC DATA

MACH = .900 ELEVON = -20.000  
RUDDER = .000 SPOBRK = .000

REFERENCE DATA

REF = 2.4210 IN. FT. YARP = 29.5000 INCHES  
REF = 36.7000 INCHES YARP = .0000 INCHES  
REF = 36.7000 INCHES YARP = .0000 INCHES  
SCALE = .0000 SCALE

ALPHA ( 1 ) = -10.060 BETA ( 1 ) = -9.900

SECTION ( 1 ) BODY FLAP DEFENDENT VARIABLE OF

TAP NO 169.0000175.0000171.0000172.0000173.0000174.0000

.000 -.2132 -.2442 -.2361 -.2415 -.2922 -.3115

ALPHA ( 1 ) = -10.060 BETA ( 2 ) = 10.060

SECTION ( 1 ) BODY FLAP DEFENDENT VARIABLE OF

TAP NO 169.0000175.0000171.0000172.0000173.0000174.0000

.000 -.2235 -.2671 -.2349 -.2728 -.3019 -.3149

ALPHA ( 2 ) = .010 BETA ( 1 ) = -9.970

SECTION ( 1 ) BODY FLAP DEFENDENT VARIABLE OF

TAP NO 169.0000175.0000171.0000172.0000173.0000174.0000

.000 -.2714 -.2606 -.1946 -.2185 -.2566 -.2659

ALPHA ( 2 ) = .090 BETA ( 2 ) = 10.000

SECTION ( 1 ) BODY FLAP DEFENDENT VARIABLE OF

TAP NO 169.0000175.0000171.0000172.0000173.0000174.0000

.000 -.2331 -.3000 -.1952 -.2713 -.2579 -.2632



DATE 06 APR 75

TABULATED PRESSURE DATA - 0A22A

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BODY FLAP

(RB2F16)

ALPHA ( 3 ) = 10.210 BETA ( 1 ) = -9.880

SECTION ( 1 ) BODY FLAP

DEPENDENT VARIABLE CP

YAP '00 169.0000173.0000171.0000172.0000173.0000174.0000

.0000 -1.1745 -1.1516 -1.1561 -1.1434 -1.2378 -1.2647

ALPHA ( 3 ) = 10.220 BETA ( 2 ) = 10.120

SECTION ( 1 ) BODY FLAP

DEPENDENT VARIABLE CP

YAP '00 169.0000173.0000171.0000172.0000173.0000174.0000

.0000 -1.1707 -1.2321 -1.1506 -1.2244 -1.2488 -1.2684





DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

(RB2M01) ( 08 NOV 73 )

OMS POO

ARC11-716 0A22 01

PARAMETRIC DATA

BETA = .000 ELEVON = .000  
RUDDER = .000 SPDBRK = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES  
LREF = 36.7090 INCHES YMRP = .0000 INCHES  
BREF = 36.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

MACH ( 1 ) = .597 ALPHA ( 1 ) = -14.480

SECTION ( 1 ) OMS POO DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1864 -.1893 -.1751 -.1849

MACH ( 1 ) = .598 ALPHA ( 2 ) = -9.840

SECTION ( 1 ) OMS POO DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1412 -.1533 -.1827 -.1679

MACH ( 1 ) = .596 ALPHA ( 3 ) = -4.850

SECTION ( 1 ) OMS POO DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1841 -.1853 -.1862 -.1618

MACH ( 1 ) = .597 ALPHA ( 4 ) = .080

SECTION ( 1 ) OMS POO DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1793 -.1843 -.1854 -.1558

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DATE 13 APR '75

TABULATED PRESSURE DATA - QAZ2A

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(R82401)

QMS P00

ARC11-716 QAZ2 01

MACH ( 1 ) = .596 ALPHA ( 5 ) = 5.090  
SECTION ( 1 ) QMS P00 DEPENDENT VARIABLE CP  
TAP NO 165.0000166.0000167.0000168.0000

.000 -.1784 -.1882 -.1897 -.1548  
MACH ( 1 ) = .598 ALPHA ( 6 ) = 10.100  
SECTION ( 1 ) QMS P00 DEPENDENT VARIABLE CP  
TAP NO 165.0000166.0000167.0000168.0000

.000 -.1803 -.1907 -.1928 -.1300  
MACH ( 1 ) = .599 ALPHA ( 7 ) = 14.590  
SECTION ( 1 ) QMS P00 DEPENDENT VARIABLE CP  
TAP NO 165.0000166.0000167.0000168.0000

.000 -.2102 -.2167 -.2179 -.1770  
MACH ( 2 ) = .902 ALPHA ( 1 ) = -14.570  
SECTION ( 1 ) QMS P00 DEPENDENT VARIABLE CP  
TAP NO 165.0000166.0000167.0000168.0000

.000 -.2664 -.2683 -.2792 -.2704  
MACH ( 2 ) = .899 ALPHA ( 2 ) = -9.730  
SECTION ( 1 ) QMS P00 DEPENDENT VARIABLE CP  
TAP NO 165.0000166.0000167.0000168.0000

.000 -.2341 -.2383 -.2361 -.2513



DATE 15 APR 75 TABULATED PRESSURE DATA - 0422A

(R82M01)

ONS P00

ARC11-716 0422 01

MACH ( 2 ) = .901 ALPHA ( 3 ) = -5.010  
SECTION ( 1 ) OMS P00 DEFENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1976 -.2081 -.2118 -.1938

MACH ( 2 ) = .902 ALPHA ( 4 ) = .080

SECTION ( 1 ) OMS P00 DEFENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1977 -.2082 -.2086 -.1771

MACH ( 2 ) = .903 ALPHA ( 5 ) = 5.079

SECTION ( 1 ) OMS P00 DEFENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1997 -.2039 -.1961 -.1644

MACH ( 2 ) = .904 ALPHA ( 6 ) = 10.140

SECTION ( 1 ) OMS P00 DEFENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2162 -.2229 -.2217 -.1855

MACH ( 2 ) = .903 ALPHA ( 7 ) = 14.600

SECTION ( 1 ) OMS P00 DEFENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2562 -.2736 -.2819 -.2096

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DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

(RB2ND3) ( 08 NOV 73 )

045 P00

ARC11-716 0A22 01

PARAMETRIC DATA

BETA = .000 ELEVON = -20.000  
RUDDER = .000 SPDBRK = .000

REFERENCE DATA

SRF = 2.4210 50.FT. XMRP = 29.5000 INCHES  
LRF = 30.7090 INCHES YMRP = .0000 INCHES  
BRF = 30.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0300 SCALE

MACH ( 1 ) = .598 ALPHA ( 1 ) = -14.440

SECTION ( 1 ) 045 P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1644 -.1695 -.1363 -.1010

MACH ( 1 ) = .598 ALPHA ( 2 ) = -9.980

SECTION ( 1 ) 045 P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1652 -.1750 -.1515 -.1141

MACH ( 1 ) = .596 ALPHA ( 3 ) = -4.870

SECTION ( 1 ) 045 P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1606 -.1734 -.1627 -.1151

MACH ( 1 ) = .598 ALPHA ( 4 ) = -.010

SECTION ( 1 ) 045 P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1697 -.1857 -.1732 -.1299



(R82405)

DATE 15 APR 75 TABULATED PRESSURE DATA - 0422A

ONS POD

ARC11-716 0422 01

MACH ( 1 ) = .596 ALPHA ( 5 ) = 5.000  
SECTION ( 1 ) ONS POD DEPENDENT VARIABLE CP  
TAP NO 165.0000166.0000167.0000168.0000

.000 -.1789 -.1953 -.1712 -.1329  
MACH ( 1 ) = .596 ALPHA ( 6 ) = 9.970  
SECTION ( 1 ) ONS POD DEPENDENT VARIABLE CP  
TAP NO 165.0000166.0000167.0000168.0000

.000 -.1926 -.2169 -.1831 -.1908  
MACH ( 1 ) = .596 ALPHA ( 7 ) = 14.640  
SECTION ( 1 ) ONS POD DEPENDENT VARIABLE CP  
TAP NO 165.0000166.0000167.0000168.0000

.000 -.1986 -.2325 -.1879 -.1471  
MACH ( 2 ) = .904 ALPHA ( 1 ) = -14.570  
SECTION ( 1 ) ONS POD DEPENDENT VARIABLE CP  
TAP NO 165.0000166.0000167.0000168.0000

.000 -.3432 -.3548 -.3418 -.2549  
MACH ( 2 ) = .903 ALPHA ( 2 ) = -10.030  
SECTION ( 1 ) ONS POD DEPENDENT VARIABLE CP  
TAP NO 165.0000166.0000167.0000168.0000

.000 -.2356 -.2686 -.2939 -.2313



(R82405)

TABULATED PRESSURE DATA - 0422A

ONS P00

ARC11-716 0422 01

MACH ( 2 ) = .902 ALPHA ( 3 ) = -4.960  
SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2212 -.2395 -.2741 -.2233

MACH ( 2 ) = .901 ALPHA ( 4 ) = .000

SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2183 -.2346 -.2696 -.2262

MACH ( 2 ) = .902 ALPHA ( 5 ) = 5.040

SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2033 -.2208 -.2312 -.1920

MACH ( 2 ) = .903 ALPHA ( 6 ) = 10.010

SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2068 -.2197 -.2267 -.1897

MACH ( 2 ) = .904 ALPHA ( 7 ) = 14.620

SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2217 -.2238 -.2487 -.2194



DATE 15 APR 75

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0MS P00

(RB2M09) ( 29 SEP 73 )

REFERENCE DATA

SLEF = 2.4210 34.FT. YMRP = 29.5800 INCHES  
 LUT = 30.7090 INCHES YMRP = .0000 INCHES  
 BREF = 30.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0000 SCALE

MACH ( 1 ) = .597 BETA ( 1 ) = -9.983

SECTION ( 1 ) 0MS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1682 -.1930 -.1746 -.1310

MACH ( 1 ) = .596 BETA ( 2 ) = -4.980

SECTION ( 1 ) 0MS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1812 -.1919 -.1837 -.1436

MACH ( 1 ) = .597 BETA ( 3 ) = .000

SECTION ( 1 ) 0MS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1874 -.1877 -.1904 -.1624

MACH ( 1 ) = .596 BETA ( 4 ) = 4.980

SECTION ( 1 ) 0MS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1906 -.2071 -.2118 -.1916

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000  
 RUDDER = -10.000 SFOBRK = .000

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(R82M09)

DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22

ONS P00

ARC11-716 0A22 01

MACH ( 1 ) = .600 BETA ( 5 ) = 9.990  
SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2311 -.2332 -.2326 -.2376

MACH ( 2 ) = .899 BETA ( 1 ) = -9.950  
SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2330 -.2400 -.2064 -.1490

MACH ( 2 ) = .901 BETA ( 2 ) = -4.970  
SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2103 -.2052 -.1999 -.1615

MACH ( 2 ) = .902 BETA ( 3 ) = .010  
SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1991 -.2035 -.1981 -.1751

MACH ( 2 ) = .900 BETA ( 4 ) = 4.990  
SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2246 -.2303 -.2322 -.2103





DATE 13 APR 75 TABULATED PRESSURE DATA - QAZZA

(RB2409)

QMS P00

ARC11-716 QAZZ 01

MACH ( 2 ) = .931 BETA ( 5 ) = 9.973

SECTION ( 1 ) QMS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2689 -.2697 -.2343 -.2550

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DATE 15 APR 75

TABULATED PRESSURE DATA - 0A22A

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OAS P00

(RB2M10) ( 29 SEP 75 )

## REFERENCE DATA

SREF = 2.4210 56. FT. XMRP = 29.5600 INCHES  
 LREF = 30.7090 INCHES YMRP = .0000 INCHES  
 BREF = 30.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0000 SCALE

MAON ( 1 ) = .596 BETA ( 1 ) = -9.970

SECTION ( 1 ) OAS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1987 -.2068 -.1805 -.1314

MAON ( 1 ) = .597 BETA ( 2 ) = -4.970

SECTION ( 1 ) OAS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1836 -.1877 -.1865 -.1425

MAON ( 1 ) = .595 BETA ( 3 ) = .020

SECTION ( 1 ) OAS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1940 -.2041 -.2008 -.1581

MAON ( 1 ) = .597 BETA ( 4 ) = 5.020

SECTION ( 1 ) OAS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1947 -.1977 -.2052 -.1849

## PARAMETRIC DATA

ALPHA = .000 ELEVON = .000  
 RUDDER = 10.000 SPDRK = .000



DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

(R82410)

ONG %00

ARC11-716 0A22 01

MACH ( 1 ) = .600 BETA ( 3 ) = 9.940  
SECTION ( 1 )ONG P00 DEPENDENT VARIABLE OF

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2122 -.2113 -.2206 -.2211

MACH ( 2 ) = .900 BETA ( 1 ) = -9.930

SECTION ( 1 )ONG P00 DEPENDENT VARIABLE OF

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2401 -.2414 -.2068 -.1900

MACH ( 2 ) = .901 BETA ( 2 ) = -4.990

SECTION ( 1 )ONG P00 DEPENDENT VARIABLE OF

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2112 -.2166 -.2148 -.1557

MACH ( 2 ) = .902 BETA ( 3 ) = .030

SECTION ( 1 )ONG P00 DEPENDENT VARIABLE OF

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2082 -.2109 -.2056 -.1700

MACH ( 2 ) = .899 BETA ( 4 ) = 5.030

SECTION ( 1 )ONG P00 DEPENDENT VARIABLE OF

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2176 -.2139 -.2141 -.1957

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ONS POD

(RB2M10)

WACH ( 2 ) = .901 BETA ( 5 ) = 10.310

SECTION ( 1 ) ONS POD DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2400 -.2431 -.2489 -.2451



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048 POD

ORDEM11) ( 08 NOV 73 )

# REFERENCE DATA

BREF : 2.4210 36.17. 108P : 29.5000 INCHES  
 LREF : 36.7090 INCHES 108P : .0000 INCHES  
 BREF : 36.7090 INCHES 208P : .0000 INCHES  
 SCALE : .0000 SCALE

MAON ( 1 ) : .593 ALPHA ( 1 ) : -14.370

SECTION ( 1 ) : 048 POD DEPENDENT VARIABLE OF

TAP NO 163.0000166.0000167.0000168.0000

.000 -.2104 -.2173 -.2062 -.2092

MAON ( 1 ) : .597 ALPHA ( 2 ) : -9.790

SECTION ( 1 ) : 048 POD DEPENDENT VARIABLE OF

TAP NO 163.0000166.0000167.0000168.0000

.000 -.2030 -.2124 -.2089 -.1896

MAON ( 1 ) : .598 ALPHA ( 3 ) : -4.790

SECTION ( 1 ) : 048 POD DEPENDENT VARIABLE OF

TAP NO 163.0000166.0000167.0000168.0000

.000 -.2032 -.2087 -.2108 -.1793

MAON ( 1 ) : .598 ALPHA ( 4 ) : .180

SECTION ( 1 ) : 048 POD DEPENDENT VARIABLE OF

TAP NO 163.0000166.0000167.0000168.0000

.000 -.2092 -.2045 -.2033 -.1723

# PARAMETRIC DATA

BETA : .000 ELEVON : .000  
 RUDDER : .000 SPDRK : 35.000

DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

(RB2M11)

ONS POD

ARC11-716 0A22 01

MACH ( 1 ) = .597 ALPHA ( 5 ) = 5.220  
SECTION ( 1 ) ONS POD DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2035 -.2098 -.2032 -.1660

MACH ( 1 ) = .597 ALPHA ( 6 ) = 10.260

SECTION ( 1 ) ONS POD DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1957 -.2062 -.2036 -.1679

MACH ( 1 ) = .597 ALPHA ( 7 ) = 14.850

SECTION ( 1 ) ONS POD DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2240 -.2336 -.2252 -.1800

MACH ( 2 ) = .902 ALPHA ( 1 ) = -14.470

SECTION ( 1 ) ONS POD DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2834 -.2960 -.2861 -.2560

MACH ( 2 ) = .901 ALPHA ( 2 ) = -9.870

SECTION ( 1 ) ONS POD DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2534 -.2520 -.2634 -.2450



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ONS P00

(R82M11)

MACH ( 2 ) = .902 ALPHA ( 3 ) = -4.830

SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2243 -.2218 -.2187 -.1882

MACH ( 2 ) = .900 ALPHA ( 4 ) = .180

SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2102 -.2135 -.2100 -.1700

MACH ( 2 ) = .904 ALPHA ( 5 ) = 5.220

SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2153 -.2303 -.2128 -.1673

MACH ( 2 ) = .901 ALPHA ( 6 ) = 10.260

SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2216 -.2301 -.2280 -.1830

MACH ( 2 ) = .903 ALPHA ( 7 ) = 14.840

SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2733 -.2762 -.2862 -.2092

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045 P00

(RB2M12) ( 08 NOV 73 )

## REFERENCE DATA

SREF = 2.4210 50 FT. XMRP = 29.5800 INCHES  
 LREF = 34.7090 INCHES YMRP = .0000 INCHES  
 BREF = 50.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0300 SCALE

MACH ( 1 ) = .596 ALPHA ( 1 ) = -14.450

SECTION ( 1 ) 045 P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2422 -.2511 -.2247 -.2250

MACH ( 1 ) = .596 ALPHA ( 2 ) = -9.830

SECTION ( 1 ) 045 P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2492 -.2498 -.2338 -.2155

MACH ( 1 ) = .597 ALPHA ( 3 ) = -4.820

SECTION ( 1 ) 045 P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2383 -.2412 -.2303 -.1966

MACH ( 1 ) = .598 ALPHA ( 4 ) = .090

SECTION ( 1 ) 045 P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2336 -.2345 -.2316 -.1876

## PARAMETRIC DATA

BETA = .000 ELEVON = .000  
 RUDDER = .000 SPOBRK = 95.000



(R82M12)

DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

0MS P00

ARC11-716 0A22 01

MACH ( 1 ) = .597 ALPHA ( 5 ) = 5.190  
SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2236 -.2254 -.2209 -.1793

MACH ( 1 ) = .596 ALPHA ( 6 ) = 10.220  
SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2232 -.2232 -.2138 -.1761

MACH ( 1 ) = .596 ALPHA ( 7 ) = 14.790  
SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2412 -.2418 -.2433 -.1930

MACH ( 2 ) = .903 ALPHA ( 1 ) = -14.490  
SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.3219 -.3225 -.2965 -.2325

MACH ( 2 ) = .900 ALPHA ( 2 ) = -9.880  
SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2880 -.2999 -.2864 -.2438

DATE 15 APR 75

TABULATED PRESSURE DATA - 0A22A

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ONS P00

(R52M12)

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MACH ( 2 ) = .898 ALPHA ( 3 ) = -4.840  
SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP  
TAP NO 165.0000166.0000167.0000168.0000  
MACH ( 2 ) = .902 ALPHA ( 4 ) = .210  
SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP  
TAP NO 165.0000166.0000167.0000168.0000  
MACH ( 2 ) = .900 ALPHA ( 5 ) = 5.170  
SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP  
TAP NO 165.0000166.0000167.0000168.0000  
MACH ( 2 ) = .902 ALPHA ( 6 ) = 10.260  
SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP  
TAP NO 165.0000166.0000167.0000168.0000  
MACH ( 2 ) = .900 ALPHA ( 7 ) = 14.840  
SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP  
TAP NO 165.0000166.0000167.0000168.0000  
MACH ( 2 ) = .900 ALPHA ( 8 ) = 18.840  
SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP  
TAP NO 165.0000166.0000167.0000168.0000



DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

(RB2M13) ( 03 JAN 74 )

ONS POO

ARC11-716 0A22 01

PARAMETRIC DATA

MACH = .600 ELEVON = .000  
RUDDER = .000 SPOBRK = .000

REFERENCE DATA

SREF = 2.4210 36. FT. XMRP = 29.5800 INCHES  
LREF = 36.7090 INCHES YMRP = .0000 INCHES  
BREF = 36.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0300 SCALE

ALPHA ( 1 ) = -10.000 BETA ( 1 ) = -9.870

SECTION ( 1 ) OMS POO DEFENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1887 -.1917 -.1711 -.1294

ALPHA ( 1 ) = -10.010 BETA ( 2 ) = 10.110

SECTION ( 1 ) OMS POO DEFENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2360 -.2629 -.2212 -.2434

ALPHA ( 2 ) = -.110 BETA ( 1 ) = -9.980

SECTION ( 1 ) OMS POO DEFENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1937 -.1996 -.1794 -.1307

ALPHA ( 2 ) = -.120 BETA ( 2 ) = 10.010

SECTION ( 1 ) OMS POO DEFENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2175 -.2151 -.2154 -.2249

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DATE 15 APR 75

TABULATED PRESSURE DATA - 0A22A

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ONS POO

(RB2M13)

ALPHA ( 3 ) = 10.130 BETA ( 1 ) = -9.860

SECTION ( 1 ) ONS POO DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2179 -.2161 -.1807 -.1447

ALPHA ( 3 ) = 10.160 BETA ( 2 ) = 10.110

SECTION ( 1 ) ONS POO DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2125 -.2196 -.2282 -.2113



DATE 15 APR 75 TABULATED PRESSURE DATA - 0422A

(RB2M14) ( 03 JAN 74 )

0MS P00

ARC11-716 0422 01

PARAMETRIC DATA

MACH = .900 ELEVON = .000  
RUDDER = .000 SPOBRK = .000

REFERENCE DATA

SREF = 2.4210 36.FT. XMRP = 29.5000 INCHES  
LREF = 36.7090 INCHES YMRP = .0000 INCHES  
BREF = 36.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0300 SCALE

ALPHA ( 1 ) = -10.180 BETA ( 1 ) = -9.860

SECTION ( 1 ) 0MS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2392 -.2758 -.2691 -.2135

ALPHA ( 1 ) = -10.180 BETA ( 2 ) = 10.070

SECTION ( 1 ) 0MS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2817 -.2829 -.2355 -.3403

ALPHA ( 2 ) = -.160 BETA ( 1 ) = -9.950

SECTION ( 1 ) 0MS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2399 -.2403 -.2580 -.1522

ALPHA ( 2 ) = -.160 BETA ( 2 ) = 10.000

SECTION ( 1 ) 0MS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2377 -.2623 -.2234 -.2436



DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

(RB2M14)

ONS P00

ARC11-716 0A22 01

ALPHA ( 3 ) = 10.090 BETA ( 1 ) = -9.870

SECTION ( 1 ) ONS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2291 -.2276 -.1968 -.1462

ALPHA ( 3 ) = 10.120 BETA ( 2 ) = 10.100

SECTION ( 1 ) ONS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2448 -.2417 -.2442 -.2310



DATE 15 APR 75 TABULATED PRESSURE DATA - 0422A

(R02M13) ( 03 JAN 74 )

045 P00

ARC11-716 0422 01

PARAMETRIC DATA

MACH = .600 ELEVON = -20.000  
RUDDER = .000 SPOBRK = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5000 INCHES  
LREF = 30.7393 INCHES YMRP = .0000 INCHES  
BREF = 30.7393 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

ALPHA ( 1 ) = -9.930 BETA ( 1 ) = -9.000

SECTION ( 1 ) 045 P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1738 -.1762 -.1676 -.1029

ALPHA ( 1 ) = -9.890 BETA ( 2 ) = 10.100

SECTION ( 1 ) 045 P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0700

.000 -.1634 -.1682 -.1460 -.2647

ALPHA ( 2 ) = -.220 BETA ( 1 ) = -9.970

SECTION ( 1 ) 045 P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2132 -.2191 -.1879 -.1360

ALPHA ( 2 ) = .080 BETA ( 2 ) = 10.010

SECTION ( 1 ) 045 P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1732 -.1684 -.1632 -.1415

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DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

(R82413)

ONS P00

ARC11-716 0A22 01

ALPHA ( 3 ) = 10.210 BETA ( 1 ) = -9.860

SECTION ( 1 ) ONS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2416 -.2623 -.1905 -.1760

ALPHA ( 3 ) = 10.150 BETA ( 2 ) = 10.110

SECTION ( 1 ) ONS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1923 -.1929 -.1873 -.1474





DATE 15 APR 75 TABULATED PRESSURE DATA - 0422A

(RB2M16) ( 03 JAN 74 )

045 P00

ARC11-716 0422 01

PARAMETRIC DATA

MACH = .900 ELEVON = -20.000  
RUDDER = .000 SPOBRK = .000

REFERENCE DATA

WREF = 2.4210 34.17. WREF = 29.5400 INCHES  
LREF = 38.7990 INCHES WREF = .0000 INCHES  
BREF = 38.7990 INCHES ZWREF = .0000 INCHES  
SCALE = .0000 SCALE

ALPHA ( 1 ) = -10.060 BETA ( 1 ) = -9.900

SECTION ( 1 ) 045 P00 DEPENDENT VARIABLE OF

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2762 -.2920 -.2817 -.2026

ALPHA ( 1 ) = -10.060 BETA ( 2 ) = 10.060

SECTION ( 1 ) 045 P00 DEPENDENT VARIABLE OF

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2723 -.2811 -.2731 -.2624

ALPHA ( 2 ) = .010 BETA ( 1 ) = -9.970

SECTION ( 1 ) 045 P00 DEPENDENT VARIABLE OF

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2304 -.2332 -.2310 -.2053

ALPHA ( 2 ) = .090 BETA ( 2 ) = 10.000

SECTION ( 1 ) 045 P00 DEPENDENT VARIABLE OF

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2316 -.2437 -.2500 -.2345

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(R02M16)

ONS P00

ARC11-716 0422 01

ALPHA ( 3 ) = 10.210 BETA ( 1 ) = -9.880  
SECTION ( 1 ) ONS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2496 -.2356 -.2369 -.1978

ALPHA ( 3 ) = 10.220 BETA ( 2 ) = 10.120  
SECTION ( 1 ) ONS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2319 -.2417 -.2684 -.2327



(R02L01) ( 08 NOV 73 )

LOWER WING

PARAMETRIC DATA

BETA = .000 ELEVON = .000  
RUDDER = .000 SPOILER = .000

TABULATED MEASURE DATA - 0422A

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REFERENCE DATA

WING = 2.4210 34.71. WING = 29.5000 INCHES  
LEAF = 34.7090 INCHES WING = .0300 INCHES  
BREV = 34.7090 INCHES WING = .0300 INCHES  
SCALE = .0300 SCALE

MACH ( 1 ) = .597 ALPHA ( 1 ) = -14.480

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

1/8W .2990 .3640 .4270 .5340 .6790 .7800 .8870

X/CW						
.000	-.9460	-1.0160	-1.1490	-1.2400	-1.1370	-1.2320
.020				-2.1090	-1.3310	-1.1290
.040			-1.5970			
.060				-1.9560		
.080					-2.1270	-1.1950
.100					-2.2620	
.120				-1.0830		
.140						
.160						
.180						
.200						
.220						
.240						
.260						
.280						
.300						
.320						
.340						
.360						
.380						
.400						
.420						
.440						
.460						
.480						
.500						
.520						
.540						
.560						
.580						
.600						
.620						
.640						
.660						
.680						
.700						
.720						
.740						
.760						
.780						
.800						
.820						
.840						
.860						
.880						
.900						
.920						
.940						
.960						
.980						
.990						



(RB2L01)

LOWER WING

DATE 15 APR 75 TABULATED PRESSURE DATA - OA22A

ARC11-716 OA22 01

MACH ( 1 ) = .597 ALPHA ( 1 ) = -14.480

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6700 .7800 .8870

X/CW  
 .990  
 .953  
 .965  
 -.2001  
 -.3399  
 -.1878  
 .0000

MACH ( 1 ) = .598 ALPHA ( 2 ) = -9.840

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6700 .7800 .8870

X/CW  
 .000  
 .020  
 .030  
 .040  
 .048  
 .050  
 .080  
 .085  
 .086  
 .094  
 .153  
 .163  
 .177  
 .229  
 .246  
 .250  
 .274  
 .362  
 .390  
 .400  
 .402  
 .497  
 .590  
 .565  
 .600  
 .630  
 .700  
 .725  
 .750  
 .760  
 .775  
 .806  
 .834  
 .890

-.4374  
 -.7149  
 -.7394  
 -.6960  
 -.6622  
 -.6622  
 -1.9410  
 -1.1990  
 -.8396  
 -1.0730  
 -1.5230  
 -1.2290  
 -1.9850  
 -1.1730  
 -.8088  
 -1.0810  
 -2.0300  
 -.9485  
 -.8511  
 -1.6040  
 -1.1540  
 -.7738  
 -1.0060  
 -1.0220  
 -.5510

-.5275  
 -.2456  
 -1.1510  
 -.7203  
 -.8735  
 -.4189

-.3294  
 -.3621  
 -.2797  
 -.8348  
 -.5954  
 -.3294

-.3842  
 -.2738  
 -.5461  
 -.3347  
 -.4506

-.5012  
 -.3668  
 -.2815  
 -.4094  
 -.4042

-.3344  
 -.3990  
 -.3206  
 -.4087

-.3163  
 -.3058  
 -.2640  
 -.3537



DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

(R82L01)

LOWER WING

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MACH ( 1 ) = .598 ALPHA ( 2 ) = -9.840

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.857							
.865							
.900							
.903							
.950							
.953							
.965							

MACH ( 1 ) = .596 ALPHA ( 3 ) = -4.850

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000							
.020							
.030							
.040							
.048							
.050							
.060							
.065							
.066							
.094							
.150							
.163							
.177							
.229							
.246							
.250							
.274							
.362							
.390							
.400							
.402							
.497							
.530							
.565							
.600							
.650							
.700							
.725							
.750							
.760							



(RB2LD1)

LOWER WING

MACH ( 1 ) = .596 ALPHA ( 3 ) = -4.850

ARC11-716 0A22 01

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.775				-.3761	-.3582		
.806			-.3635				
.834	-.2651						
.850				-.2954	-.2823	-.2571	
.857			-.2782				
.863	-.3337						-.1760
.900	-.2771			-.1940	-.0527		
.905				-.1950		.0000	
.950				-.0679			
.953			-.0796				
.965	-.1400						

MACH ( 1 ) = .597 ALPHA ( 4 ) = .080

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.5730	.7800	.8870
X/CW							
.000	.0074	.0673	.2910	.3794	.3431	.2969	.3553
.020				-.4897	-.5881	-.5984	-.6326
.030			-.0974				
.040		.0823					
.048			-.1800				
.050	-.0532			-.3256	-.3801	-.4226	-.4414
.080				-.2802			
.085			-.1643				
.086		.0654					
.094	-.0798						
.150				-.1907	-.1952	-.2137	-.2150
.163		.0291					
.177			-.1495				
.229	.0070						
.245		-.1218					
.250				-.1497	-.1840	-.1812	-.2224
.274			-.1267				
.362	-.0067						
.390		-.1043					
.400				-.11274	-.1703		-.1690
.402					-.1110		
.497	-.0920						
.550				-.1730	-.1934		
.565			-.1672				
.600							-.2159
.630						-.2256	



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(RB2LD1)

LOWER WING

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MACH ( 1 ) = .597 ALPHA ( 4 ) = .080

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.700	-.1693			-.2378	-.2623		
.725						-.3412	-.2986
.750							
.760			-.2284				
.775				-.3337	-.3332		
.806			-.3492				
.834	-.2632			-.2934	-.2593	-.2435	
.850			-.2721				
.857							
.865	-.3144			-.1921			-.1595
.900	-.2668		-.1958	-.0356			
.905				-.0527		.0000	
.930			-.0748				
.953							
.955	-.1309						

MACH ( 1 ) = .596 ALPHA ( 5 ) = 5.090

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.500	-.1957	-.1954	.1521	.3860	.3435	.2577	.2328
.020				.1760	.1572	.2001	.2078
.030			.2662				
.040		.0707					
.048			.1561				
.050	-.0510			.0926	.0864	.0909	.0778
.060				.0550			
.065			.1026				
.085		.1611					
.094	-.0377						
.150		.1943		.0288	.0500	.0336	.0092
.163			.0348				
.177							
.229	.0765						
.246		.0487					
.250				.0073	-.0113	-.0036	-.0307
.274			.0161				
.362	.1135						
.390		.0114					
.400				-.0200	-.0531		-.0859
.432			-.0103				
.497	.0099						

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DATE 15 APR 75 TABULATED PRESSURE DATA - 0422A

(R82L01)

LOWER WING

MACH ( 1 ) = .596 ALPHA ( 5 ) = 5.090  
ARC11-716 0422 01

SECTION ( 1 ) LOWER WING

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.550				-.0903	-.1141		
.565				-.0952			-.1784
.600						-.1803	
.650							
.700	-.0847			-.2181			
.725				-.1954			
.750						-.3112	-.2795
.760				-.1938	-.3258	-.2996	
.775				-.3126			
.808							
.834	-.2355			-.2684	-.2543	-.2494	
.850				-.2320			
.857							
.865	-.2817			-.1889			-.1855
.900	-.2445			-.1927	-.0445		
.905				-.0351		.0000	
.950				-.0775			
.955							
.965	-.1269						

MACH ( 1 ) = .598 ALPHA ( 6 ) = 10.100

SECTION ( 1 ) LOWER WING

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.6475	-.7341	-.4537	-.1445	-.3008	-.5381	-.6364
.020				.4379	.4077	.4354	.3524
.030			.2984				
.040		-.2005					
.048			.3025				
.050	-.1685			.3456	.3574	.3524	.3176
.060				.2891			
.065				.2737			
.066		.1232					
.074	-.0708						
.150				.2106	.2444	.2255	.1662
.163		.2880					
.177			.1942				
.229	.1135						
.246		.1817					
.250				.1501	.1397	.1379	.0458
.274			.1522				
.302	.2188						





(R82LD1)

LOWER WING

MACH ( 1 ) = .598 ALPHA ( 6 ) = 10.100  
ARC11-716 0A22 01

SECTION ( 1 ) LOWER WING		DEPENDENT VARIABLE CP	
Y/BW	X/CW		
.2990	.3640	.4270	.5340 .6730 .7800 .8870
	.1321		
		.0875	.0598 -.0074
		.0972	
.1276			
		-.0081	-.0331
		-.0119	
			-.1329
		-.1467	
			-.1463
		-.1732	
			-.1329
		-.1567	
		-.2757	-.2470
		-.2590	
		-.2274	
		-.2453	-.2376 -.2298
		-.1860	
		-.1892	-.0536
		-.0732	
		-.0866	.0000
		-.1122	

MACH ( 1 ) = .599 ALPHA ( 7 ) = 14.590

SECTION ( 1 ) LOWER WING		DEPENDENT VARIABLE CP	
Y/BW	X/CW		
.2990	.3640	.4270	.5340 .6730 .7800 .8870
		-.8047	-1.0530 -1.2900 -1.1270
		.4367	.3889 .3781 .2825
		.1655	
		-.3845	
		.3077	
		.4536	.4617 .4456 .4123
		.4382	
		.3528	
		.0706	
		-.3293	
		-.1372	
		.3261	.3711 .3467 .2720
		.3045	
		.1390	

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(RB2L01)

LOWER WING

DATE 15 APR 75 TABULATED PRESSURE DATA - OA22A

ARC11-716 OA22 01

MACH ( 1 ) = .599 ALPHA ( 7 ) = 14.590

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

V/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.246		.2729					
.250				.2599	.2570	.2488	.1389
.274			.2536				
.362	.2855						
.390		.2285					
.400			.1845				
.402				.1757	.1492		.0599
.437	.2098						
.530				.0663	.0298		
.555		.0647					
.600							
.650							
.700	.0785						
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.930							
.953							
.965							

MACH ( 2 ) = .902 ALPHA ( 1 ) = -14.570

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

V/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000							
.020							
.030							
.040							
.046							
.050							
.080							
.085							
.086							
.094							



(RB2L01)

LOWER WING

DATE 15 APR 75 TABULATED PRESSURE DATA - 0422A

ARC11-716 0422 01

MACH ( 2 ) = .902 ALPHA ( 1 ) = -14.570

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

V/W .2990 .3640 .4270 .5340 .6700 .7800 .8870

V/CW .130 -1.3970 -1.0000 -0.7659 -0.6670

.163 -0.5392

.177 -0.7958

.229 -0.6462

.245 -0.7515

.290 -1.4440 -0.9121 -0.7585 -0.6592

.274 -0.8101

.362 -0.5961

.390 -0.9435

.400 -0.6070 -0.8356 -0.6463

.432 -0.6673

.497 -0.8034

.550 -0.5861 -0.7472

.565 -0.5553

.600 -0.6250

.650 -0.6804

.700 -0.5743

.725 -0.6533 -0.5813

.750 -0.6325

.760 -0.7116 -0.6505

.775 -0.7965

.800 -0.8416

.834 -0.6903 -0.6264 -0.6037

.850 -0.8416

.865 -0.7165

.900 -0.6390

.905 -0.5371 -0.5990 -0.5874

.930 -0.5508

.950 -0.4680

.965 -0.6054

MACH ( 2 ) = .899 ALPHA ( 2 ) = -9.730

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

V/W .2990 .3640 .4270 .5340 .6700 .7800 .8870

V/CW .000 -0.2881 -0.4687 -0.1937 -0.0281 -0.1159 -0.2414 -0.1750

.025 -0.025 -1.3760 -1.1290 -0.9035 -0.7151

.050 -1.0390

.075 -0.4013

.100 -1.3280

.125 -1.3020 -1.1260 -0.8362 -0.6939

.150 -0.5171



DATE 13 APR 75 TABULATED PRESSURE DATA - 0422A

(RB2L01)

LOWER WING

ARC11-716 0422 01

MACH ( 2 ) = .901 ALPHA ( 3 ) = -5.010

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/B4 .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/C4

.000	-.0301	-.1096	.1246	.2241	.1351	.0220	.0666
.020				-1.2870	-1.3740	-1.3980	-1.3360
.030			-.5996				
.040		-.1275					
.048			-.5199				
.050	-.1396			-1.2230	-1.3740	-1.4310	-1.4400
.060					-.9647		
.065			-.4337				
.066		-.0774					
.094	-.1560						
.150				-.6467	-.9066	-1.3010	-1.3400
.163		-.0911					
.177			-.4722				
.229	-.0183						
.246		-.3016					
.250				-.4482	-.5643	-.7415	-1.1570
.274			-.3818				
.362	-.0616						
.390		-.3436					
.430				-.3261	-.3753		-.5536
.432		-.3191					
.497	-.3154						
.550				-.3370	-.4006		
.565			-.3330				
.600							-.3087
.650					-.3497		
.700	-.3232				-.4261		
.725				-.5030		-.4537	-.4204
.750							
.760			-.4482				
.775			-.6055		-.4756	-.5425	
.806							
.834	-.4706						
.850			-.3256		-.4484	-.4578	-.3504
.857							
.855	-.5714						
.920	-.4511			-.2299			-.2165
.935			-.2429		-.0906		
.950				-.1429			.0030
.955			-.1517				
.955	-.1922						

DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

(RB2L01)

LOWER WING

MACH (2) = .902 ALPHA (4) = .000		ARC11-716 0A22 01		DEPENDENT VARIABLE CP	
SECTION (1) LOWER WING					
Y/BW	X/CW				
.2990	.3640	.4270	.5340	.6700	.8870
.000	.0206	.1036	.3629	.4543	.3834
.020				.3210	.3562
.030			.0166	-.6771	-.7877
.040	.1341				
.050		-.0327			
.060	-.0319		-.3224	-.4562	-.6141
.070			-.2758		
.080			-.1135		
.090	.1264				
.100	-.0500				
.110			-.1925	-.2106	-.2445
.120	.1154			-.2445	-.3178
.130		-.1473			
.140	.0520				
.150		-.0693			
.160			-.1524	-.1942	-.2193
.170				-.2193	-.2862
.180	.0607		-.1271		
.190		-.1066			
.200			-.1259	-.1905	-.2584
.210	.402		-.1581		
.220	.437	-.0932			
.230			-.2014	-.2538	
.240			-.1952		
.250				-.3793	-.3778
.260	.1024			-.4277	
.270			-.4114		
.280					-.5667
.290		-.3597			
.300			-.4133	-.5433	
.310		-.3727			
.320					
.330	-.3334		-.5013	-.4251	-.2632
.340					
.350		-.5537			
.360	-.4770				
.370	-.5468		-.2239	-.0909	-.1010
.380		-.2229			
.390			-.1116		.0000
.400			-.1238		
.410					
.420					
.430					
.440					
.450					
.460					
.470					
.480					
.490					
.500					
.510					
.520					
.530					
.540					
.550					
.560					
.570					
.580					
.590					
.600					
.610					
.620					
.630					
.640					
.650					
.660					
.670					
.680					
.690					
.700					
.710					
.720					
.730					
.740					
.750					
.760					
.770					
.780					
.790					
.800					
.810					
.820					
.830					
.840					
.850					
.860					
.870					
.880					
.890					
.900					
.910					
.920					
.930					
.940					
.950					
.960					
.970					
.980					
.990					
1.000					



DATE 15 APR 75  
 TABULATED PRESSURE DATA - 0422A  
 ARC11-716 0422 01  
 LOWER WING  
 (R02L01)

MACH ( 2 ) = .903 ALPHA ( 5 ) = 3.07D		DEPENDENT VARIABLE CP	
SECTION ( 1 ) LOWER WING			
X/CM	Y/CM		
.000	-.2303	-.1477	.2027
.020		.4002	.4455
.030		.1950	.1330
.040		.3297	.1519
.060		.1206	.1528
.080		.2135	
.100	-.0428	.1337	.0017
.120		.0771	.0660
.140		.1501	.0290
.160		.2176	
.180	-.0224	.0561	.0752
.200		.0324	.0299
.220	.150		
.240	.163	.2670	
.260	.177	.0770	
.280	.229	.0972	
.300	.246	.0302	-.0023
.320	.253	.0302	-.0302
.340	.274	.0493	-.0976
.360	.322		
.380	.430	.0512	-.0557
.400	.432		-.1460
.420	.497	.0512	-.0557
.440	.590	-.0985	-.1904
.460	.565		
.480	.603	-.0930	
.500	.630		-.3204
.520	.703	-.0719	-.3107
.540	.723	-.3094	-.3647
.560	.753		-.4957
.580	.760		-.5117
.600	.773	-.2064	
.620	.800	-.3553	-.4421
.640	.800	-.4010	
.660	.834		
.680	.853	-.6405	-.6154
.700	.857	-.5042	-.6220
.720	.863		
.740	.903	-.4021	
.760	.920	-.2546	-.7103
.780	.933	-.3563	-.1252
.800	.953	-.1007	.0300
.820	.953		
.840	.969	-.1369	
.860			
.880			
.900			
.920			
.940			
.960			
.980			
1.000			

(10720M)

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DATE 15 APR 73

IC 22WC 514-1130W

MACM ( 2 ) = .934 ALMA ( 6 ) = 13.143

SECTION 1 (LOWER WING) DEPENDENT VARIABLE CP

V/Cu	.2990	.3640	.4270	.5340	.6750	.7620	.8670
.000	-.6659	-.4750	-.1519	.2225	.1778	.0692	.0267
.020			.4031	.4603	.4344	.4575	.5979
.040		-.0317					
.060			.3750				
.080	-.1992			.3927	.3666	.3478	.3060
.100				.3241			
.120		.2056					
.140	-.3595						
.160		.3645					
.180			.2526				
.200		.2479					
.220	.1461						
.240							
.260			.2066	.1670	.1715	.1540	.0278
.280	.2627						
.300		.1911					
.320			.1486	.1236	.0811		-.0286
.340	.1810						
.360				.0069	-.0409		
.380			.0153				
.400							
.420	.3562						
.440							
.460							
.480							
.500							
.520							
.540							
.560							
.580							
.600							
.620							
.640							
.660							
.680							
.700							
.720							
.740							
.760							
.780							
.800							
.820							
.840							
.860							
.880							
.900							
.920							
.940							
.960							
.980							
1.000							



(R02L01)

LOWER WING

TABULATED PRESSURE DATA - OM22A

ARC11-716 0422 01

WACH ( 2 ) = .903 ALPHA ( ° ) = 14.600

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

V/SW	.2890	.3640	.4270	.5340	.6700	.7800	.8870
X/CM	.000	-.0429	-.3768	-.5415	-.0601	-.1543	-.2887
	.020			.5500	.5016	.5055	.4008
	.030			.3320			
	.040		-.1665				
	.048		.4022				
	.050	-.2273		.5087	.5005	.4684	.4127
	.060			.4509			
	.065		.4245				
	.080		.1768				
	.094	-.0680		.3770	.4019	.3626	.2806
	.100						
	.163		.4012				
	.177		.3653				
	.229	.1818					
	.246	.3372		.3047	.2947	.2742	.1410
	.250		.3110				
	.274	.3316	.2921				
	.362			.2264	.1862		.0633
	.400						
	.402		.2443				
	.497	.2760		.1042	.0536		-.1572
	.550					-.1258	
	.563						
	.600						
	.690						
	.700	.1285		-.1716	-.2256		
	.725						
	.750			-.2154			
	.760				-.3250	-.2795	
	.775			-.3021			
	.808						
	.834	-.2401					
	.850			-.4183	-.4639	-.4519	
	.857			-.3537			
	.863	-.1842					
	.900	-.3398		-.3260			-.5643
	.935			-.5003	-.5988		
	.950			-.6336			.000
	.955			-.5714			
	.965	-.4991					

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DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

(RB2L03) ( 08 NOV 73 )

LOWER WING

ARC11-716 0A22 01

REFERENCE DATA

SREF = 2.4210 30. FT. XMRP = 29.5800 INCHES  
LREF = 38.7090 INCHES YMRP = .0000 INCHES  
BREF = 38.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

MACH ( 1 ) = .598 ALPHA ( 1 ) = -14.440

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6700 .7800 .8870

X/CW

.000	-1.0300	-1.0700	-1.2190	-1.3660	-1.2060	-1.6560	-1.2110
.020				-2.2780	-1.0520	-1.5200	-1.0740
.030			-1.7140				
.040			-8183				
.048			-2.0040				
.050		-7156		-2.2860	-1.1050	-1.5800	-1.0860
.080				-2.4210			
.085			-1.4480				
.086			-9478				
.094		-7896		-2.8850	-1.4980	-1.7060	-1.0660
.100							
.103			-1.1750				
.177			-9837				
.229		-8326					
.246			-1.4860				
.250				-9401	-1.4980	-1.3650	-1.0010
.274				-8295			
.362		-9619					
.390			-1.2540				
.400				-8863	-1.2350		-9386
.402				-8938			
.497		-6444					
.550				-7408	-1.0300		-8424
.563							
.600			-1.0040				
.650							
.700		-4361					
.725				-9832			-9674
.750				-9275			
.753							-8872
.760				-6886			-7315
.775				-1.6040	-9034		
.808				-1.1650			
.834		-7272					
.850				-9358	-7145		-7174
.857							
.865		-9428		-7330			
.900		-6329					
.930				-7501			-6455
.935				-3024			-4941

PARAMETRIC DATA

BETA = .000 ELEVON = -20.000  
RUDDER = .000 SPOBRK = .000



DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

(RB2LOS)

LOWER WING

ARC11-716 0A22 01

MACH ( 1 ) = .598 ALPHA ( 1 ) = -14.443

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.950  
.953  
.955  
-.5341  
-.3985  
-.5646  
.0000

MACH ( 1 ) = .598 ALPHA ( 2 ) = -9.980

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.0000  
.020  
.030  
.040  
.048  
.050  
.080  
.085  
.085  
.094  
.150  
.163  
.177  
.229  
.246  
.250  
.274  
.362  
.390  
.400  
.402  
.437  
.550  
.565  
.600  
.650  
.700  
.725  
.750  
.760  
.775  
.808  
.834  
.850  
-.4724  
-.9236  
-.7955  
-.8731  
-.9462  
-1.0340  
-.9680  
-2.1450  
-1.4320  
-1.1380  
-1.1990  
-1.6990  
-.8226  
-1.3030  
-2.1880  
-1.4010  
-1.1300  
-1.2210  
-2.2520  
-.9946  
-.9868  
-.3893  
-1.2370  
-2.0770  
-1.4360  
-1.1160  
-1.1970  
-.6942  
-.6882  
-.5542  
-.3478  
-1.4930  
-1.1020  
-1.1330  
-.4563  
-.3874  
-1.1700  
-.9649  
-.4636  
-.4013  
-.7053  
-.3142  
-.9698  
-.6605  
-.5821  
-.8855  
-.6641  
-.5550  
-.9928  
-.5967  
-.5030  
-.6463  
-.7582

DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

(RB2LOS)

LOWER WING

ARC11-716 0A22 01

MACH ( 1 ) = .598 ALPHA ( 2 ) = -9.980

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.837							
.863							
.900							
.903							
.930							
.953							
.965							

MACH ( 1 ) = .596 ALPHA ( 3 ) = -4.870

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000							
.020							
.030							
.040							
.048							
.050							
.080							
.085							
.086							
.094							
.103							
.163							
.177							
.229							
.246							
.250							
.274							
.362							
.330							
.400							
.402							
.497							
.550							
.565							
.600							
.630							
.700							
.725							
.750							
.760							



DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

(RB2LD3)

LOWER WING

MACH ( 1 ) = .596 ALPHA ( 3 ) = -4.873

ARC11-716 0A22 01

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.5340	.6730	.7800
.8870		
.775		-.8593
.808		-.4889
.834		-.5241
.850		-.5459
.857		-.6223
.865		-.4658
.903		-.5626
.905		-.5223
.923		-.4285
.933		-.5234
.953		-.4575
.963		-.3603

MACH ( 1 ) = .596 ALPHA ( 4 ) = -.010

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.5340	.6730	.7800
.8870		
.000	.0097	.0648
.020		.2752
.030		.3252
.040		.2507
.048		.1631
.050		.2004
.060		-.6636
.083		-.8779
.086		-.9507
.094		-1.1073
.100		-.1859
.103		-.2499
.106		-.4155
.117		-.5128
.129		-.6040
.146		-.6629
.150		-.3583
.163		-.2213
.177		-.0441
.189		-.0791
.200		-.0057
.229		-.2048
.246		-.1678
.250		-.2167
.274		-.2711
.274		-.2855
.302		-.3245
.320		-.1036
.330		-.1618
.403		-.2384
.403		-.2688
.402		-.2939
.497		-.1830
.530		-.1472
.530		-.2315
.563		-.3415
.600		-.2765
.630		-.4145
.650		-.4497

DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

(R82L03)

LOWER WING

MACH ( 1 ) = .596 ALPHA ( 4 ) = -.010

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

X/CW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW  
 .700 -.2602  
 .725 -.5295  
 .750 -.4900  
 .775 -.4867  
 .800 -.7410  
 .825 -.6911  
 .850 -.5270  
 .875 -.4906  
 .900 -.5071  
 .925 -.4955  
 .950 -.4596  
 .975 -.7812  
 .990 -.4909  
 .995 -.4153  
 .998 -.5863  
 .999 -.5067  
 .999 -.4382  
 .999 -.0700  
 .999 -.4569  
 .999 -.3509

MACH ( 1 ) = .596 ALPHA ( 5 ) = 5.000

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

X/CW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW  
 .000 -.1649  
 .020 -.1433  
 .040 .2159  
 .060 .4307  
 .080 .0543  
 .100 .0330  
 .120 .0482  
 .140 .0567  
 .160 .2361  
 .180 .0943  
 .200 .1171  
 .220 -.0019  
 .240 -.0114  
 .260 -.0338  
 .280 -.0811  
 .300 -.0278  
 .320 .0621  
 .340 .1619  
 .360 .1758  
 .380 .0043  
 .400 .0193  
 .420 .0324  
 .440 .0324  
 .460 .0324  
 .480 .0324  
 .500 .0324  
 .520 .0324  
 .540 .0324  
 .560 .0324  
 .580 .0324  
 .600 .0324  
 .620 .0324  
 .640 .0324  
 .660 .0324  
 .680 .0324  
 .700 .0324  
 .720 .0324  
 .740 .0324  
 .760 .0324  
 .780 .0324  
 .800 .0324  
 .820 .0324  
 .840 .0324  
 .860 .0324  
 .880 .0324  
 .900 .0324  
 .920 .0324  
 .940 .0324  
 .960 .0324  
 .980 .0324  
 .990 .0324  
 .995 .0324  
 .998 .0324  
 .999 .0324



DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

(R82L05)

LOWER WING

ARC11-71E 0A22 01

MACH ( 1 ) = .596 ALPHA ( 5 ) = 5.000

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.550				-.2188	-.2420		
.565			-.1891				-.3491
.600							
.650					-.3578		
.700	-.1824				-.5166		
.725				-.4971			
.750						-.5232	-.5528
.760			-.4627				
.775			-.7778		-.5404		
.808			-.5234				
.834	-.6335						
.850				-.5558	-.4330	-.4773	
.857				-.5396			
.865	-.8341						
.900	-.5617		-.5023				-.5812
.903			-.5020		-.3845		
.950			-.4399			.0000	
.953			-.4052				
.965	-.3332						

MACH ( 1 ) = .596 ALPHA ( 6 ) = 9.970

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.6232	-.7148	-.3384	-.0062	-.1054	-.2490	-.3045
.020				.4093	.3862	.4184	.3652
.030			.3104				
.040		-.1575					
.048			.2870				
.050	-.1321			.3110	.3127	.3036	.2585
.060				.2376			
.086			.2459				
.094	-.0644	.1341					
.150							
.163		.2771		.1593	.1884	.1652	.1071
.177			.1552				
.229	.1031						
.246		.1500		.0949	.0775	.0721	.0018
.253							
.274			.1126				
.362	.2065						

(RB2LOS)

LOWER WING

ARC11-716 OA22 O1

MACH ( 1 ) = .596 ALPHA ( 6 ) = 9.973

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4273	.5340	.6730	.7800	.8870
X/CW							
.390		.0890					
.400				.0151	-.0218		-.0787
.402			.0427				
.497	.0856						
.530				-.1179	-.1559		
.565			-.1087				
.600							-.2621
.650					-.3095		
.700							
.725				-.4128			
.750							
.775							
.808							
.834							
.850							
.857							
.865							
.920							
.935							
.950							
.955							

MACH ( 1 ) = .598 ALPHA ( 7 ) = 14.640

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4273	.5340	.6730	.7800	.8870
X/CW							
.000	-1.0773	-.8938	-.9187	-.6906	-.8895	-1.1130	-.8607
.020				.4401	.4103	.4058	.3131
.030			.1873				
.040							
.048							
.050							
.060							
.065							
.071							
.074							
.080							
.085							
.095							
.120							
.163							
.177							
.228							





DATE 13 APR 73

TABULATED PRESSURE DATA - CM22A

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(R82LOS)

LOWER WING

ARC11-716 CM22 D1

MACH ( 1 ) = .990 ALPHA ( 7 ) = 14.640

SECTION ( 1 ) LOWER WING

DEPENDENT VARIABLE CP

V/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.246		.2488					
.250				.2109	.2066	.1942	.0933
.274			.2118				
.362	.2847						
.390		.1869					
.400				.1133	.0786		.0027
.402			.1329				
.497	.1799						
.550				.0316	.0784		
.563			.0242				
.600							
.650							
.700	.0177						
.723				.3748	.4577	.2782	.2806
.750						.4688	.4982
.760			.4242				
.773				.4748	.5357		
.808			.6157				
.834	.6291						
.850				.4554	.4871	.4847	
.857			.5129				
.865	.10890						
.900	.6182			.5263			.4924
.905			.4903		.4030		
.950				.5627		.0000	
.953			.4738				
.965	.3171						

MACH ( 2 ) = .904 ALPHA ( 1 ) = -14.570

SECTION ( 1 ) LOWER WING

DEPENDENT VARIABLE CP

V/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	.5066	.5097	.4070	.3132	.4211	.5306	.4714
.020				.14090	.13120	.0559	.5212
.030			.9812				
.040		.3482					
.048			.11870				
.050	.5555			.14000	.12860	.0340	.5414
.060				.13840			
.085			.888				
.086		.4363					
.094	.5940						

DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

(R02L05)

LOWER WING

MACH ( 2 ) = .904 ALPHA ( 1 ) = -14.573  
ARC11-715 0A22 01

SECTION ( 1 )	LOWER WING	DEPENDENT VARIABLE CP
V/D4	.2990 .3640 .4270 .5340 .6730 .7000 .8070	
V/CW		
.190		-1.3900 -1.1510 -.6019 -.6013
.163	-.5326	
.177	-.8130	
.229	-.6408	
.245	-.7798	
.250		-1.4940 -1.0330 -.8110 -.8434
.274	-.8223	
.352	-.5969	
.390	-.9695	
.400		-.6369 -.8629 -.6540
.432	-.7603	
.497	-.8060	
.550		-.5276 -.8059
.555	-.5355	
.600		-.6306
.650		-.6961
.700	-.6313	-.7135
.725		-.5379
.750		-.6879 -.6039
.760	-.6830	
.775	-.9536	-1.0400 -.6729
.808		
.834	-.7309	
.850		-.8051 -.6594 -.6287
.857	-.8118	
.865	-.13250	
.900	-.8523	-.7178
.905	-.7100	-.6320
.950	-.6587	.0000
.955	-.6443	
.965	-.7695	

MACH ( 2 ) = .903 ALPHA ( 2 ) = -10.030

SECTION ( 1 )	LOWER WING	DEPENDENT VARIABLE CP
V/D4	.2990 .3640 .4270 .5340 .6730 .7800 .8070	
V/CW		
.300	-.4038	-.2032 -.3580 -.1544 -.2908 -.2737
.320		-1.3740 -1.3410 -1.0770 -.8732
.330	-.9312	
.340	-.4015	
.348	-.9365	
.350	-.5223	-1.3760 -1.3470 -1.0470 -.8437



DATE 13 APR 75 TABULATED PRESSURE DATA - 0A22A

(082L05)

LOWER WING

MACH ( 2 ) = .903 ALPHA ( 2 ) = -10.030

ARC11-716 0A22 01

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

X/CN .2390 .3640 .4270 .5340 .6735 .7800 .8870

X/CN

.080	-1.3280					
.085	-1.0390					
.086	-.4630					
.094	-.2302					
.150		-1.2780	-1.2950	-.9897	-.8049	
.163	-.6643					
.177						
.229	-.0718					
.246	-.8123					
.250		-1.2390	-1.2160	-.9489	-.7892	
.274		-.5878				
.362	-.1310					
.390	-.6184					
.403						
.432		-.3595	-.9777		-.7416	
.437	-.4353					
.550		-.2530	-.8235			
.565		-.3964				
.600						
.650				-.7709		-.7110
.700	-.1282		-.7128			
.725		-.6027				
.750				-.7531	-.6641	
.760		-.5033				
.775		-.9236	-.7581			
.808		-.9018				
.834	-.6373					
.850		-.6485	-.6324	-.6927		
.857		-.7296				
.865	-.13060					
.900	-.7854					-.6427
.905		-.7372	-.6431			
.950		-.6917			.0000	
.955		-.7521				
.965	-.7142					

DATE 15 APR 75 TABULATED PRESSURE DATA - 0422A

(RBZLOS)

LOWER WING

ARC11-716 0422 01

MACH ( 2 ) = .902 ALPHA ( 3 ) = -4.983

SECTION ( 1 ) LOWER WING DEFENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6700	.7800	.8870
X/CW							
.000	-.0153	-.0999	.1248	.2212	.1207	.0000	.0413
.020				-1.2990	-1.3920	-1.4170	-1.3520
.030				-.6337			
.040				-.1258			
.050				-.5350			
.060	-.1277			-1.2320	-1.3700	-1.4520	-1.3830
.080				-.9800			
.090				-.4399			
.100				-.0714			
.110	-.1344						
.120				-.6850	-.8875	-1.3070	-1.2510
.130				-.0834			
.140				-.4740			
.150							
.160	-.0348						
.170				-.2986			
.180					-.4481	-.6245	-.7822
.190				-.3926			
.200	-.0514						
.210				-.3414			
.220				-.3060	-.4070		-.7813
.230				-.3385			
.240	-.3132			-.3221	-.3672		
.250				-.3533			
.260							-.3818
.270	-.3312			-.3027	-.2521		
.280				-.4394			
.290					-.1130	-.9328	
.300				-.4208			
.310				-.7634	-1.2990		
.320				-.8254			
.330							
.340	-.5310			-.5868	-.8646	-.8317	
.350				-.5957			
.360							
.370	-.1210			-.5956			-.7873
.380	-.7587			-.6154	-.7374		
.390				-.6047			.3000
.400				-.3321			
.410							
.420	-.5458						



DATE 15 APR 79 TABULATED PRESSURE DATA - 0A22A

(R02LOS)

LOWER WING

ARC11-716 0A22 DI

MACH ( 2 ) = .931 ALPHA ( 4 ) = .030

SECTION ( 1 ) LOWER WING DEFENDENT VARIABLE CP

Y/BW	.2993	.3640	.4270	.5340	.6730	.7803	.8870
X/CW							
.300	.0270	.1095	.3617	.4503	.3768	.3153	.3432
.325				-.4648	-.8371	-.7938	-.9354
.350				-.0300			
.375		.1392					
.400			-.1051				
.425	-.0294			-.3483	-.4371	-.4985	-.7806
.450				-.2813			
.475			-.1233				
.500		.1327					
.525	-.0468			-.2345	-.2212	-.2666	-.3072
.550			.1128				
.575			-.1527				
.600	.0566						
.625		-.0919		-.1596	-.2000	-.2212	-.2542
.650			-.1268				
.675	.0625						
.700		-.1058		-.1265	-.1831		-.1944
.725			-.1083				
.750	-.1010			-.1967	-.2292		
.775			-.1932				
.800						-.1286	
.825	-.1883			-.2612	-.2232		
.850			-.3820				
.875						-.9922	-.11480
.900		-.3310		-.7631	-.12980		
.925			-.8963				
.950	-.4566			-.5962	-.8445	-.6753	
.975		-.6100					
.999	-.12560						
.999	-.0318			-.6348			-.7461
.999		-.6333		-.5575			
.999			-.6278			.0300	
.999		-.6140					
.999	-.5248						

DATE 15 APR 75 TABULATED PRESSURE DATA - 0422A

(RB2LOS)

LOWER WING

ARC11-716 0422 01

MACH (2) = .902 ALPHA (5) = 5.040

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

V/CM	.2000	.3640	.4270	.5340	.6700	.7800	.8870
.000	-.1947	-.1379	.2819	.4961	.4569	.3309	.3769
.020			.3257	.1820	.1228	.1473	.1209
.040		.1285					
.060			.2106				
.080	-.0417			.1229	.0761	.0604	.0093
.100			.1541	.0808			
.120		.2221					
.140	-.0134						
.160		.2647		.0567	.0742	.0297	-.0378
.180			.0752				
.200	.1096						
.220		.0985		.0316	-.0342	-.0078	-.0904
.240			.0516				
.260	.1813	.0486					
.280				.0326	-.0497		-.1371
.300	.0542						
.320				-.0349	-.1429		
.340			-.0958				-.1558
.360							
.380	-.0930			-.2979	-.2450	-.2400	
.400							
.420			-.2448				
.440				-.0356	-.10140		
.460			-.0358				
.480							
.500	-.0811			-.0574	-.0244	-.6317	
.520							
.540			-.0640				
.560							
.580	-.12760			-.0779			-.7006
.600	-.0714						
.620			-.0454		-.0521		
.640				-.0293			.0030
.660			-.0336				
.680							
.700	-.0498						



(N82LOS)

LOWER WING

DATE 15 APR 75 TABULATED PRESSURE DATA - OAZZA

ARC11-716 OAZZ D1

MACH (2) = .903 ALPHA (6) = 10.010

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BZ .2993 .3640 .4273 .5343 .6753 .7833 .8873

X/CW

.000	-.6538	-.4942	-.1292	.2337	.1932	.0837	.0552
.025				.4763	.4553	.4553	.3683
.050			.3383				
.075		.1502					
.100			.3718				
.125	-.1439			.3643	.3628	.3448	.2913
.150				.3193			
.175			.3336				
.200	.2588						
.225	-.0908			.2477	.2734	.2321	.1499
.250		.3620					
.275	.1467		.2477				
.300		.2483		.1819	.1654	.1519	.0443
.325			.2034				
.350	.2856						
.375		.1898		.1222	.0739		-.0294
.400			.1473				
.425				.0385	-.0403		
.450	.1783		.0168				-.1977
.475					-.1729		
.500	.0222			-.1054		.8381	-.8783
.525					-.2173		
.550							
.575			-.1732				
.600				-.6975	-.8712		
.625			-.9735				
.650							
.675	-.2937			-.5554	-.6885	-.5985	
.700			-.3794				
.725							
.750				-.3786			-.6328
.775	-.11803						
.800	-.7686		-.5532	-.5449			
.825				-.5959		.0033	
.850			-.5627				
.875							
.900	-.4433						

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DATE 15 APR 73 TABULATED PRESSURE DATA - OA22A

(RR2L05)

LOWER WING

MACH ( 2 ) = .904 ALPHA ( 7 ) = 14.620		ARC11-716 OA22 O1		DEPENDENT VARIABLE CP	
SECTION ( 1 ) LOWER WING					
Y/BW					
.2990	.3640	.4270	.5340	.6730	.7800 .8870
X/CW					
.003	-.8337	-.3627	-.5041	-.3766	-.1451
.020				-.2753	-.2741
.033				.5499	.5047
.043				.5373	.4047
.043				.3294	
.048				-.1686	
.053				.4010	
.082	-.2318			.5383	.4984
.085				.4542	.4144
.086				.4198	
.094				.1765	
.153	-.0705			.3731	.4005
.163				.3637	.2755
.177				.4076	
.229				.3625	
.246	-.1906				
.250				.3395	
.274				.3008	.2837
.352				.2735	.1480
.390	.3745			.3107	
.400				.2864	
.402				.2225	.1860
.437				.2412	.0678
.550	.2813			.0387	.0499
.565				.0998	
.600					-.1901
.650				-.1260	
.703	.1219			-.2213	
.725				-.1601	
.750				-1.1050	-1.2180
.760					
.775				-.1739	
.808				-.8983	-1.2310
.834				-1.2100	
.850	-.2741				
.857				-.6515	-.8845
.857				-.7738	
.893				-.6887	
.903	-.11730				
.903	-.9286			-.6572	-.7293
.933				-.6761	
.953				-.6761	.0000
.953				-.6810	
.953				-.5953	
.953	-.3183				





DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

(RB2L09) ( 29 SEP 73 )

LOWER WING

ARC11-716 0A22 01

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000  
RUDDER = -10.000 SPEEDBRK = .000

REFERENCE DATA

SREF = 2.4210 SQ. FT. XMRP = 29.5800 INCHES  
LREF = 36.7090 INCHES YMRP = 0.000 INCHES  
BREF = 36.7090 INCHES ZMRP = 0.000 INCHES  
SCALE = .0000 SCALE

MACH ( 1 ) = .597 BETA ( 1 ) = -9.980

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CF

Y/BW .2990 .3640 .4270 .5340 .6700 .7800 .8870

X/CM	.000	.0459	.0237	.3025	.4260	.4275	.4085	.4861
.020					-.9221	-.9894	-.9415	-.9429
.030								
.040								
.048								
.050								
.060								
.085								
.095								
.094								
.150								
.163								
.177								
.229								
.246								
.250								
.274								
.362								
.390								
.400								
.402								
.497								
.550								
.565								
.600								
.650								
.750								
.725								
.750								
.760								
.775								
.808								
.834								
.850								
.857								
.863								
.900								
.905								



(RB2L09)

LOWER WING

DATE 15 APR 75 TABULATED PRESSURE DATA - 0422A

ARC11-716 0422 01

MACH ( 1 ) = .597 BETA ( 1 ) = -9.980

SECTION ( 1 ) LOWER WING DEFENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.950  
.953  
.965

-.0519  
-.0370

.0000

MACH ( 1 ) = .598 BETA ( 2 ) = -4.980

SECTION ( 1 ) LOWER WING DEFENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000  
.020  
.033  
.040  
.048  
.050  
.080  
.085  
.086  
.130  
.163  
.177  
.229  
.240  
.250  
.274  
.302  
.390  
.400  
.432  
.497  
.550  
.565  
.600  
.650  
.725  
.750  
.760  
.775  
.808  
.824  
.850

.0410  
.0652  
.3118  
.4098  
.7001  
.7840  
.7596  
.8137

-.2936

.0043

-.3250

-.4176  
-.4761  
-.5057  
-.5187

-.3615

-.5540

.0313

-.1146

-.0405

-.2013

-.0205

-.1780

-.1540

-.1317

-.1273

-.1813  
-.2001  
-.1785

-.1391  
-.1753  
-.1801

-.2316

-.2545

-.2331

-.2297

-.3529  
-.3382  
-.3539

-.2854  
-.2584  
-.2485





DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

(R82L09)

LOWER WING

MACH ( 1 ) = .597 BETA ( 3 ) = .000

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.5340	.6730	.7800
.8870		
.775		
.838		
.834		
.850		
.857		
.865		
.900		
.905		
.920		
.975		
.955		

MACH ( 1 ) = .598 BETA ( 4 ) = 4.980

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3540	.4270
.5340	.6730	.7800
.8870		
.775		
.838		
.834		
.850		
.857		
.865		
.900		
.905		
.920		
.975		
.955		



DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

(R82L09)

LOWER WING

ARC11-716 0A22 01

MACH ( 1 ) = .598 BETA ( 4 ) = 4.900

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.700	-.11648			-.2360	-.2316		
.725						-.3318	-.2895
.750							
.760							
.775							
.808							
.834	-.2700						
.850							
.857							
.865	-.3105						
.900	-.2647						
.935							
.950							
.953							
.965	-.1315						

MACH ( 1 ) = .600 BETA ( 5 ) = 9.990

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CF

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.1415	-.0344	.1931	.2955	.2335	.1870	.2334
.020							
.030							
.040							
.048							
.050	-.0897						
.060							
.065							
.066							
.074	-.0772						
.150							
.163							
.177							
.223	.0084						
.240							
.250							
.274							
.302	.0440						
.330							
.430							
.432							
.497	-.0851						



DATE 15 APR 75 TABULATED PRESSURE DATA - 0422A

(RB2L09)

LOWER WING

ARC11-716 0422 01

MACH ( 1 ) = .600 BETA ( 5 ) = 9.990

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6700	.7800	.8870
X/CW							
.590				-.1146	-.1652		
.565			-.1609				-.1810
.530					-.1977		
.650							
.700	-.1602			-.2309			
.725				-.2220		-.2966	-.2656
.750							
.760							
.775				-.3353	-.2975		
.808				-.3143			
.834	-.2728						
.850				-.2554	-.2312	-.2098	
.857				-.2601			
.865	-.3079						
.900	-.2700			-.1728			-.1157
.935				-.1195	-.0235		
.950				-.0427		.0000	
.953				-.0838			
.965	-.1652						

MACH ( 2 ) = .899 BETA ( 1 ) = -9.950

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6700	.7800	.8870
X/CW							
.590	.0507	.0711	.4018	.5671	.5462	.4883	.5373
.620				-.9679	-1.0220	-1.0380	-.9219
.630			-.3734				
.640		-.0601					
.648			-.3908				
.670	-.1342			-.8681	-.9498	-.9637	-.9354
.680				-.5774			
.685			-.3186				
.686		-.0197					
.694	-.1779						
.690				-.3631	-.1611	-.1633	-.4370
.693		-.0485					
.697			-.2776				
.699	-.0305						
.729	-.2546						
.740				-.2040	-.2318	-.2196	-.1943
.750							
.774				-.1827			
.962	-.0555						



DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

(R82L09)

LOWER WING

MACH ( 2 ) = .899 BETA ( 1 ) = -9.990  
SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP  
Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW						
.390	-.1648					
.400		-.1385	-.1779			-.2368
.432		-.1186				
.497	-.1711					
.590			-.2062	-.2382		
.600		-.1912				
.690						-.3431
.700	-.1919		-.3426			
.725			-.3928			
.750				-.4397	-.5156	
.760		-.3006				
.775		-.4051	-.5466			
.808		-.5683				
.834	-.3990		-.6954	-.6024	-.9030	
.850		-.4795				
.855	-.4894					
.900	-.4348	-.2062	-.0698			-.2617
.905		-.1886				
.950		-.1019				
.955		-.0830				
.965	-.1021					

MACH ( 2 ) = .901 BETA ( 2 ) = -4.970  
SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP  
Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW						
.000	.0581	.1091	.3972	.9093	.4684	.4056 .4462
.020				-.7613	-.9533	-.9685 -.8925
.030			-.1625			
.040		.0688				
.048		-.2345				
.050	-.0643		-.4273	-.7488	-.8154	-.8257
.060			-.4193			
.065		-.2397				
.085		.0749				
.094	-.1014					
.100			-.2582	-.2586	-.3039	-.2750
.103		.0487				
.107						
.129			-.2122			

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DATE 15 APR 75 TABULATED PRESSURE DATA - 0422A

(RB2L09)

ARC11-716 0422 01

MACH ( 2 ) = .901 BETA ( 2 ) = -4.970

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

V/CM	.2990	.3640	.4270	.5340	.6730	.7800	.8870
.246							
.250							
.274							
.362							
.393							
.433							
.432							
.437							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.808							
.820							
.850							
.857							
.865							
.890							
.905							
.920							
.930							
.955							

MACH ( 2 ) = .902 BETA ( 3 ) = .010

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

V/CM	.2990	.3640	.4270	.5340	.6730	.7800	.8870
.300							
.320							
.330							
.340							
.345							
.350							
.360							
.380							
.394							



DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

(R02L09)

LOWER WING

MACH ( 2 ) = .902 BETA ( 3 ) = .010

ARC11-715 0A22 01

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.3340	.5340	.6730
.7800	.7800	.6870
.1901	.2251	-.2371
-.3386		
.1146		-.1317
.229	.0463	
.245	-.0960	
.253		-.1349
.274		-.2036
.362	.0770	
.393	-.1129	
.430		-.1298
.432		-.1940
.437	-.1017	
.530		-.2042
.565		-.2572
.600		-.2006
.650		-.3714
.700	-.1804	
.725		-.4325
.750		-.4160
.760		-.4690
.760		-.5680
.775		-.3618
.806		-.4173
.834	-.4001	
.850		-.5857
.857		-.5679
.865	-.4930	
.900	-.5347	
.905		-.6289
.930		-.4371
.933		-.2667
.955	-.1790	
		-.2355
		-.0883
		-.1884
		-.2327
		-.1221
		.0000
		-.1351

MACH ( 2 ) = .900 BETA ( 4 ) = 4.990

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.3340	.5340	.6730
.7800	.7800	.6870
.1901	.2251	-.2371
-.3386		
.1146		-.1317
.229	.0463	
.245	-.0960	
.253		-.1349
.274		-.2036
.362	.0770	
.393	-.1129	
.430		-.1298
.432		-.1940
.437	-.1017	
.530		-.2042
.565		-.2572
.600		-.2006
.650		-.3714
.700	-.1804	
.725		-.4325
.750		-.4160
.760		-.4690
.760		-.5680
.775		-.3618
.806		-.4173
.834	-.4001	
.850		-.5857
.857		-.5679
.865	-.4930	
.900	-.5347	
.905		-.6289
.930		-.4371
.933		-.2667
.955	-.1790	
		-.2355
		-.0883
		-.1884
		-.2327
		-.1221
		.0000
		-.1351



(RB2L09)

LOWER WING

ARC11-716 0422 01

MACH ( 2 ) = .930 BETA ( 4 ) = 4.990

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
W/CW							
.040							
.065							
.086							
.094							
.130							
.163							
.177							
.209							
.246							
.283							
.294							
.362							
.390							
.401							
.402							
.437							
.553							
.575							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.851							
.857							
.865							
.900							
.935							
.950							
.955							
.965							

(RB2LOS)

LOWER WING

MACH (2) = .901 BETA (5) = 9.970		ARC11-716 0422 01		DEPENDENT VARIABLE CP	
SECTION (3) LOWER WING					
Y/B4					
2/CW					
.000	-.1636	-.0000	.2487	.3516	.2424
.025				.1536	.1848
.050				-.1586	-.3323
.075				-.4400	-.5253
.100					
.125					
.150					
.175					
.200					
.225					
.250					
.275					
.300					
.325					
.350					
.375					
.400					
.425					
.450					
.475					
.500					
.525					
.550					
.575					
.600					
.625					
.650					
.675					
.700					
.725					
.750					
.775					
.800					
.825					
.850					
.875					
.900					
.925					
.950					
.975					
.999					

DATE 15 APR 75

TABULATED PRESSURE DATA - 0422A

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ARC11-716 0422 01

LOWER WING

(RDELID) ( 29 SEP 73 )

## REFERENCE DATA

SREF = 2.4210 36. FT. XREF = 29.5000 INCHES  
 LREF = 36.7000 INCHES YREF = .0000 INCHES  
 BREF = 36.7000 INCHES ZREF = .0000 INCHES  
 SCALE = .0000 SCALE

MACN ( 1 ) = .595 BETA ( 1 ) = -9.970

## PARAMETRIC DATA

ALPHA = .000 ELEVON = .000  
 RUDDER = 10.000 SPOBRK = .000

## SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE OF

V/BW	.2990	.3640	.4270	.5340	.5730	.7800	.8870
K/Q							
.000	.0467	.0271	.0033	.4291	.4324	.4004	.4917
.020				-.9050	-1.0040	-.9172	-.9560
.030				-.5166			
.040				-.1329			
.060				-.4799			
.080				-.1607			
.100				-.5538	-.5653	-.5981	-.5803
.120				-.4400			
.140				-.3441			
.160				-.0970			
.180				-.1793			
.200				-.2814	-.2675	-.2828	-.2676
.220				-.1341			
.240				-.2416			
.260				-.2282			
.280				-.1999	-.2241	-.2034	-.2382
.300				-.1760			
.320				-.1384			
.340				-.1547			
.360				-.1476	-.1846		-.1866
.380				-.1331			
.400				-.1409			
.420				-.1840	-.1380		
.440				-.1826			
.460							-.2204
.480				-.2312			
.500				-.2553			
.520				-.2736			
.540				-.2279			
.560				-.3349	-.3332		
.580				-.3544			
.600				-.2965			
.620				-.2772	-.2505	-.2413	
.640				-.2920			
.660				-.3144			
.680				-.2339			
.700				-.1825			-.1780
.720				-.1785	-.0267		



(R02L10)

LOWER WING

DATE 15 APR 75 TAPULATED PRESSURE DATA - 0422A

ARC11-716 0422 01

MACM ( 1 ) = .596 BETA ( 1 ) = -9.970

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW  
.990  
.955  
.905  
-.0485  
-.0600  
-.0000

MACM ( 1 ) = .597 BETA ( 2 ) = -4.970

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW  
.990 .3445 .3658 .3992 .4366 .3951 .3526 .4204  
.980 .380 .330 .3119 .3221 .4225 .4614 .4988 .5289  
.970 .340 .305 .3504 .3683  
.960 .384 .3134 .3305  
.950 .350 .3420 .2303 .2310 .2513 .2460  
.940 .377 .3190 .1950  
.930 .329 .0183 .1776 .1725 .2015 .1983 .2303  
.920 .274 .2485 .1491  
.910 .462 .3346 .1397 .1003 .1781  
.900 .430 .432 .1257  
.890 .487 .1304 .1748 .2016  
.880 .950 .1799  
.870 .900 .2179  
.860 .725 .1753 .2272  
.850 .725 .2594  
.840 .760 .2306 .3524 .3360  
.830 .775 .3523 .3364  
.820 .838 .3531  
.810 .854 .2732  
.800 .850 .2844 .2558 .2459

(RB2L10)

LOWER WING

ARC11-716 0A22 01

MACH ( 1 ) = .597 BETA ( 2 ) = -4.970

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.857	-.2670
.865	-.3182
.900	-.2490
.905	-.1867
.930	-.1885
.933	-.0279
.953	-.0528
.965	-.0624
.965	-.1027

MACH ( 1 ) = .596 BETA ( 3 ) = .020

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	.0092	.0670	.2332	.3755	.3383	.2888	.3418
.020			-.5220	-.6109	-.6337	-.6899	
.030			-.1164				
.040		.0779					
.048			-.1917				
.053	-.0472		-.3309	-.3940	-.4370	-.4701	
.080			-.2859				
.085			-.1679				
.086		.0613					
.094	-.0693						
.150			-.1938	-.2304	-.2238	-.2321	
.163		.0275					
.177			-.1563				
.229	.0120						
.246		-.1253					
.250			-.1576	-.1911	-.1879	-.2241	
.274			-.1277				
.302	.0000						
.330		-.1092					
.400			-.1342	-.1173		-.1733	
.402			-.1126				
.497	-.1095						
.550			-.1758	-.2001			
.565			-.1594				
.600							
.650					-.2295	-.2128	
.700	-.1644		-.2652				
.725			-.2393				
.750					-.3430	-.3029	
.760			-.2286				





DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

(R02L10)

LOWER WING

ARC11-716 0A22 01

MACH ( 1 ) = .597 BETA ( 4 ) = 5.020

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.700 -.1601  
 .725 -.2245  
 .750 -.3246  
 .750 -.2880  
 .775 -.2247  
 .808 -.3582  
 .834 -.3275  
 .850 -.3347  
 .857 -.2687  
 .855 -.2738  
 .900 -.2565  
 .900 -.2342  
 .905 -.1881  
 .920 -.1454  
 .925 -.1997  
 .950 -.0265  
 .950 -.0300  
 .955 -.0777  
 .965 -.1412

MACH ( 1 ) = .600 BETA ( 5 ) = 9.940

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.700 -.1340  
 .725 -.0346  
 .750 .1991  
 .750 .3011  
 .775 .2432  
 .808 .1905  
 .834 .2349  
 .850 -.1854  
 .857 .3125  
 .855 .0968  
 .900 .3361  
 .900 .3125  
 .905 .3310  
 .920 .3756  
 .925 -.0373  
 .950 -.1346  
 .950 -.2146  
 .955 -.2593  
 .965 -.2893  
 .700 -.0421  
 .725 -.1374  
 .750 -.1160  
 .750 -.1533  
 .775 -.1684  
 .808 -.0890  
 .834 -.0800  
 .850 -.0508  
 .857 -.1033  
 .855 -.1387  
 .900 -.1376  
 .900 -.1898  
 .905 .0462  
 .920 -.0884  
 .925 -.1012  
 .950 -.1318  
 .950 -.1481  
 .955 -.1028  
 .965 -.0736



DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

(882L10)

LOWER WING

ARC11-71G 0A22 O1

MACH ( 1 ) = .600 BETA ( 5 ) = 9.940

SECTION ( 1 ) LOWER WING DEFICIENT VARIABLE CP

Y/BW .2990 .3540 .4270 .5340 .6730 .7800 .8870

X/CW

.350	-.1460	-.1636				
.365	-.1631					-.1778
.600				-.1953		
.650			-.2263			
.700	-.1560					
.725		-.2154				-.2589
.750						
.760		-.2230				
.775			-.3319	-.2918		
.808		-.3133				
.834	-.2684					
.850			-.2515	-.2253	-.2042	
.857		-.2548				
.865	-.3037					
.900	-.2734		-.1655			-.1113
.935		-.1931		-.0129		
.950			-.0387		.0000	
.953		-.0807				
.965	-.1634					

MACH ( 2 ) = .900 BETA ( 1 ) = -9.930

SECTION ( 1 ) LOWER WING DEFICIENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	.0553	.0728	.4141	.5668	.5545	.4994	.5397
.020				-.9392	-1.0120	-1.0260	-.9021
.030			-.3750				
.040		-.0533					
.048			-.3835				
.050	-.1340			-.8400	-.9469	-.9529	-.9303
.080				-.5457			
.085			-.3139				
.086		-.0151					
.094	-.1664						
.150				-.3406	-.1588	-.1666	-.4274
.163		-.0402					
.177			-.2735				
.229	-.0189						
.246		-.2330					
.250				-.1912	-.2272	-.2118	-.1948
.274							
.302	-.0439		-.1645				

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(RB2L10)

LOWER WING

DATE 15 APR 75 TABULATED PRESSURE DATA - OA22A

ARC11-716 OA22 O1

MACH ( 2 ) = .900 BETA ( 1 ) = -9.930

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.5340	.6730	.7800
.8870		
.390	-.1563	
.400		-.1270
.402	-.1194	-.1670
.437	-.1621	
.550		-.1914
.565	-.1881	-.2306
.600		
.650		-.3322
.700	-.1845	-.3595
.725		-.3686
.750		-.4245
.760		-.5000
.775		-.5382
.809		-.5757
.834	-.4041	
.850		-.6585
.855	-.4834	-.5970
.855		-.4855
.865	-.4903	
.905	-.4586	-.1934
.905		-.2315
.930	-.1918	-.0641
.930		-.0889
.955	-.0310	.0000
.955	-.1045	

MACH ( 2 ) = .901 BETA ( 2 ) = -4.950

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.5340	.6730	.7800
.8870		
.390	.1088	.3959
.400		.5086
.402		.4582
.437	-.1516	.4064
.550		.4455
.565	-.7446	-.9648
.600		-.9560
.650		-.8849
.700	.0760	
.725	-.2257	
.750		-.4284
.760		-.7362
.775	-.4128	-.8283
.809		-.8307
.834	-.1987	
.850	.0723	
.855		
.855		-.2650
.865	-.0961	-.2576
.905		-.2955
.905		-.2597
.930	.0492	
.930		-.2067
.955		
.955	.0268	



MACM ( 2 ) =	.901	BETA ( 2 ) =	-4.950
--------------	------	--------------	--------

ARC11-715 0A22 01

SECTION ( ) NUMBER

DEPENDENT VARIABLE: CP

[illegible]
$$\text{MACH} (2) = .932 \quad \text{BETA} (3) = .030$$

SECTION (ULTRASONIC WING) DEPENDENT VARIABLE OF

[illegible]

DATE 15 APR 75 TABULATED PRESSURE DATA - 0422A

(R82L10)

LOWER WING

ARC11-716 0422 01

MACH ( 2 ) = .902 BETA ( 3 ) = .030

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/OW .2990 .3640 .4270 .5340 .6730 .7630 .8870

X/CW .150 .163 .177 .229 .246 .253 .274 .302 .330 .400 .437 .452 .497 .550 .565 .600 .650 .700 .725 .750 .775 .808 .834 .850 .857 .865 .900 .905 .930 .935 .955

-.2002 -.2229 -.2590 -.3345

-.1179

-.1503

-.0541

-.0977

-.1541 -.2112 -.2235 -.2836

-.1263

-.1133

-.1245 -.1944 -.2606

-.1143

-.2015

-.2553

-.1939

-.3734

-.3758

-.4280

-.4061

-.4619 -.5558

-.3555

-.4388 -.5533

-.5798

-.5873 -.4249 -.2543

-.5503

-.4932

-.1847

-.9307

-.2220 -.0887

-.0000

-.2401

-.1146

-.1248

-.905 -.1685

MACH ( 2 ) = .899 BETA ( 4 ) = 5.000

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/OW .2990 .3640 .4270 .5340 .6730 .7630 .8870

X/CW .330 .3416 .3582 .3186 .4033 .3396 .2326 .2647

.320 .330 .350 .390 .3990

.1288

-.0175

-.2335 -.4837 -.5551 -.6555

-.2068

-.3369

-.3344 -.5226

-.3329

DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

(R82L10)

LOWER WING

ARC11-716 0A22 01

MACH ( 2 ) = .899 BETA ( 4 ) = 5.000

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

X/CW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.080							
.085							
.086							
.094							
.150							
.163							
.177							
.229							
.246							
.253							
.274							
.352							
.390							
.403							
.402							
.437							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.920							
.933							
.955							

-.2071

-.0518

.1386

-.0368

.1446

-.1079

.0332

-.0545

-.1401

-.1890

-.2079

-.2843

-.1034

-.0939

-.1297

-.1940

-.2703

-.1139

-.2096

-.2631

-.2054

-.4051

-.3981

-.4606

-.4278

-.5141

-.5896

-.4023

-.4644

-.5535

-.5712

-.5430

-.6040

-.3563

-.2281

-.1897

-.1281

-.1391

-.0763

-.0000

-.1067

-.1077

-.1635



DATE 13 APR 79

TABULATED PRESSURE DATA - QM22A

(RB211) ( 30 NOV 73 )

LOWER WING

## REFERENCE DATA

SAET = 2.4210 SQ.FT. XMRP = 29.5800 INCHES  
 LNET = 36.7093 INCHES YMRP = .0000 INCHES  
 BNET = 36.7093 INCHES ZMRP = .0000 INCHES  
 SCALE = .0000 SCALE

$\text{MACH} (1) = .993 \quad \text{ALPHA} (1) = -14.373$

SECTION NUMBER  
DETENT VARIABLE CO

	1970	1971	1972	1973	1974	1975
1. Total	100.00	100.00	100.00	100.00	100.00	100.00
2. Federal Government	10.00	10.00	10.00	10.00	10.00	10.00
3. State Government	20.00	20.00	20.00	20.00	20.00	20.00
4. Local Government	70.00	70.00	70.00	70.00	70.00	70.00
5. Other	0.00	0.00	0.00	0.00	0.00	0.00

0.000	-0.9613	-1.0290	-1.1260	-1.2410	-1.1200	-1.2180	-0.8345
0.025				-2.1350	-1.3350	-1.1420	-0.8158

CC: 1-6102

0.003 -0.7603

0.046 -1.9380

0.90	-0.6544	-2.1490	-1.2930	-1.1970	-0.7957
------	---------	---------	---------	---------	---------

0562-2-2-2950

1985-1986

[illegible]

.J94	- .67X
.S1	-2.8(2) -1.2050 -1.1019 -.7529

64901-1.0673

-0256

**.229 -.7102**

926 -1.3709

293 -1.200 -1.142 - .9867 - .6982

-.274      -.6703

1962 - 1966

.393	-1.336J
.	- .5938
.	- .5938

1,400	1,500	1,500
412	-710	

	.497	- .3273
	.496	

-.4469 -.7499

.969      -.7414

**.6173** **- .5205**

$-.643$

1953 - 1954

**.725** **- .4270**

050 - 1.3845 - 1.4753

100 - 1000

1993 - 1994

1.000

-.4935 -.4548 -.5186

-.3672

.803 - .3031

.93)	- .3269	- .4365	- .4267
------	---------	---------	---------

	. 938	- .5136	- .5191
--	-------	---------	---------

### PARAMETRIC DATA

BETA	=	.000	ELEVON	=	.000
RODGER	=	.000	SPDBRK	=	35.000





DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

(R02L11)

LOWER WING

MACH ( 1 ) = .597 ALPHA ( 2 ) = -9.790  
 SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP  
 Y/BW .2990 .3640 .4275 .5343 .6730 .7800 .8870  
 X/CW  
 .057 -.3303  
 .063 -.3079  
 .070 -.3247  
 .075 -.2510  
 .080 -.1416  
 .085 -.0368  
 .090 -.1239  
 .095 -.1321

MACH ( 1 ) = .598 ALPHA ( 3 ) = -4.790  
 SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP  
 Y/BW .2990 .3640 .4275 .5340 .6730 .7800 .8870  
 X/CW  
 .050 -.0731  
 .055 -.1937  
 .060 -.0368  
 .065 -.2377  
 .070 -.1302  
 .075 -.2964  
 .080 -.1140  
 .085 -.1060  
 .090 -.1016  
 .095 -.1366  
 .100 -.9404  
 .105 -.0327  
 .110 -.2523  
 .115 -.6967  
 .120 -.8329  
 .125 -.1077  
 .130 -.1229  
 .135 -.0736  
 .140 -.0580  
 .145 -.5115  
 .150 -.1609  
 .155 -.1075  
 .160 -.2110  
 .165 -.4289  
 .170 -.4822  
 .175 -.7321  
 .180 -.6607

.229 -.2075  
 .246 -.3141  
 .250 -.3106  
 .255 -.3620  
 .260 -.3906  
 .265 -.4774  
 .270 -.2740  
 .275 -.2333  
 .280 -.2206  
 .285 -.2736  
 .290 -.3179  
 .295 -.2132  
 .300 -.2357  
 .305 -.2582  
 .310 -.2432  
 .315 -.2634  
 .320 -.2579  
 .325 -.2932  
 .330 -.2601  
 .335 -.3531  
 .340 -.3072  
 .345 -.2577

DATE 15 APR 75 TABULATED PRESSURE DATA - 0422A

(082L11)

LOWER WING

MACH (1) = .590 ALPHA (3) = -4.790

SECTION (1) LOWER WING DEFLECT VARIABLE CP

Y/Z	.2930	.3640	.4270	.5340	.6730	.7800	.8870
C <sub>p</sub>							
.775				-.3701	-.3484		
.838				-.3692			
.854	.0200						
.850				-.2861	-.2655	-.2493	
.857				-.2832			
.865	-.3341						
.930	-.2780			-.1874			-.1678
.935				-.1933	-.0499		
.950				-.0562		.0000	
.955				-.0813			
.955	-.1439						

MACH (1) = .590 ALPHA (4) = .180

SECTION (1) LOWER WING DEFLECT VARIABLE CP

Y/Z	.2930	.3640	.4270	.5340	.6730	.7800	.8870
C <sub>p</sub>							
.775							
.838	.0079	.0716	.2977	.3886	.3576	.3176	.3611
.854				-.4679	-.5550	-.5885	-.6334
.850				-.0326			
.857		.0873					
.865			-.1752				
.930	-.0442		-.3127	-.5798	-.4183	-.4373	
.935				-.2689			
.950				-.1527			
.955		.0699					
.955	-.0706						
.950				-.1802	-.1826	-.2120	-.2157
.955		.0359					
.957			-.1480				
.929	.0139						
.945		-.1190					
.950				-.1157	-.1023	-.1746	-.2186
.974				-.1243			
.962	.0062						
.990		-.1071					
.930				-.1124	-.1649		-.1723
.902				-.1113			
.987	-.0983			-.1676	-.1953		
.950				-.1667			
.960							-.2118
.950							-.2266



DATE 15 APR 79  
TABULATED PRESSURE DATA - 0022A

(1120M)

LONGER WING

AR 11-716 JAZZ 01

[illegible]

WAVELENGTH (Å) =	ALPHA (Å) =	5.220	DEPENDENT VARIABLE OF				
SCATTERING WAVELENGTH							
W/DM	.2990	.3640	.4270	.5340	.6750	.7800	.8870
K/CM							
.000	-.1279	-.2128	.1558	.5834	.5568	.2639	.2274
.020				.1764	.1673	.2148	.2126
.030			.2758				
.040		.0694					
.060			.1629				
.080	-.0516			.1325	.0946	.0974	.0746
.100			.1307	.0611			
.120		.1656					
.140	-.0294						
.160		.2358		.0379	.0513	.0367	.0773
.180			.0415				
.200	.0778						
.220		.0493					
.240				.0106	-.0151	-.0030	-.0483
.260			.0230				
.280							
.300	.1322						
.320		.0114					
.340				-.0197	-.0549		-.0634
.360			-.0382				
.380	.0388						

DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

(RB2L11)

LOWER WING

MACH ( 1 ) = .597 ALPHA ( 5 ) = 5.220

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.550				-.0946	-.1130		
.565				-.0390			-.1740
.600							-.1765
.650							
.700	-.0909			-.2015	-.2144		
.725							-.2749
.750				-.1917			
.760				-.3240	-.3013		
.775				-.3126			
.806							
.834	.0000			-.2723	-.2601	-.2527	
.850				-.2572			
.857							
.865	-.2800			-.1944			-.1993
.920	-.2407			-.1950	-.0413		
.905				-.0604		.0070	
.950				-.0808			
.957	-.1251						

MACH ( 1 ) = .597 ALPHA ( 6 ) = 10.260

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.6769	-.8103	-.4713	-.1734	-.3283	-.5701	-.5589
.020				.4456	.1037	.4316	.3181
.030				.3000			
.040		-.2145					
.048			.3062				
.050	-.11671			.3595	.3623	.3551	.3217
.060				.2920			
.065				.2743			
.066		.1253					
.094	-.0676						
.150				.2133	.2546	.2273	.1702
.163		.2335					
.177			.7000				
.223	.1125						
.246		.1307					
.250				.1510	.1428	.1441	.0503
.274			.1521				
.362	.2345						



DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

(RB2L11)

LOWER WING

MACH ( 1 ) = .597 ALPHA ( 6 ) = 10.250

SECTION ( 1 ) LOWER WING

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW .1390 .0946 .0642 -.0057

.402 .1023

.497 .1270

.550 .0029 -.0314

.565 .0058

.600 .1477

.650 .1346

.700 .1690

.725 .1482

.750 .1505

.760 .2801 -.2521

.775 .2529

.808 .2475 -.2446 -.2334

.834 .2258

.857 .2223

.883 .2203

.903 .1871 -.0569

.925 .1910

.943 .0767

.955 .0000

.965 .0000

MACH ( 1 ) = .597 ALPHA ( 7 ) = 14.850

SECTION ( 1 ) LOWER WING

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW .1390 .0946 .0642 -.0057

.402 .1023

.497 .1270

.550 .0029 -.0314

.565 .0058

.600 .1477

.650 .1346

.700 .1690

.725 .1482

.750 .1505

.760 .2801 -.2521

.775 .2529

.808 .2475 -.2446 -.2334

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OF POOR QUALITY



(RB2L11)

LOWER WING

DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

ARC11-716 0A22 01

MACH ( 1 ) = .597 ALPHA ( 7 ) = 14.850

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2930 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.246 .2828  
.290 .2642 .2636 .2531 .1463  
.274 .2580  
.352 .3110 .2375  
.390 .1903 .1802 .1520 .0640  
.400  
.402 .2214 .0699 .0353  
.497 .0699 .1365  
.550  
.565  
.600  
.653  
.700 .0821 .1179  
.725 .1376 .1828  
.750 .1352 .2433 .2336  
.760  
.775 .2425 .2082  
.808 .2025  
.834 .1669 .2281 .2575 .2914  
.850 .2028  
.857 .2028  
.865 .1377 .2143 .3634  
.890 .1693 .2013 .1432  
.935 .1184 .0090  
.950 .1111  
.953  
.965 .1151

MACH ( 2 ) = .902 ALPHA ( 1 ) = -14.470

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2930 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.900 .5344 .5192 .4082 .2956 .3669 .4836 .3978  
.920 .320  
.930 .933  
.940 .3656 .9339  
.948 .1973  
.950 .5051 .13830 .12330 .6816 .5497  
.960 .380 .15570  
.965 .8387  
.985 .4432  
.994 .5245



DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

(RB2L11)

LOWER WING

ARC11-716 0A22 D1

MACH ( 2 ) = .902 ALPHA ( 1 ) = -14.470

SECTION ( 1 ) LOWER WING DEFLECTED VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.190				-1.3730	-1.0690	-.8145	-.6244
.163		-.5463					
.177			-.8146				
.229	-.6363						
.246		-.7832		-1.4690	-.9232	-.7546	-.6428
.250							
.274			-.8249				
.302	-.5872						
.330		-.9896					
.402			-.4964	-.8286			-.6407
.497	-.7937						
.550			-5479	-.7337			
.600							
.650							
.700	-.5076			-.5842			-.6234
.725				-.5655			
.750							
.760			-.6277				-.6511
.775				-.6992	-.6360		-.5795
.808			-.8029				
.834	.0000						
.850				-.6993	-.6245	-.5975	
.857			-.8555				
.865	-.7326						-.5841
.900	-.7533		-.6421				
.905			-.6975	-.6049			
.950				-.5504	.0000		
.953			-.4854				
.965	-.7132						

MACH ( 2 ) = .901 ALPHA ( 2 ) = -9.870

SECTION ( 1 ) LOWER WING DEFLECTED VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.2949	-.4672	-.1831	-.3317	-.1270	-.2491	-.1955
.025				-1.3700	-1.0970	-.9032	-.7108
.030							
.043		-.3913					
.048							
.050	-.3164						
				-1.3730	-1.0950	-.9163	-.7003







DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

(AB2L11)

LOWER WING

MACH (2) = .902 ALPHA (3) = -4.630		ARC11-7.6 0A22 01		DEPENDENT VARIABLE CP	
SECTION (1) LOWER WING					
Y/BW					
.2990	.3640	.4270	.5340	.5730	.6870
Y/C4					
.002	-.0171	-.0893	.1454	.2393	.1471 .0358 .0798
.020				-1.2630	-1.3620 -1.3820 -1.3210
.030				-.5786	
.040		-.1101			
.048			-.5035		
.050	-.1324		-1.2030	-1.3610	-1.4140 -1.4250
.060				-.5377	
.085			-.4149		
.086		-.0655			
.094	-.1405				
.150				-1.6127	-1.6818 -1.2860 -1.3230
.163		-.0754			
.177			-.4555		
.229	-.0133				
.246		-.2949			
.250				-.4392	-.5231 -.7107 -.9999
.274			-.3814		
.352	-.0377				
.390		-.3374			
.400				-.3116	-.3668 -.5521
.402			-.3127		
.497	-.3087				
.550			-.3275	-.3921	
.565			-.3233		
.600					-.2937
.650				-.3231	
.700	-.3069			-.3939	
.725			-.5077		
.750					-.4445 -.4139
.760			-.4483		
.775			-.4.64	-.5330	
.808			-.6310		
.834	.0000				
.850			-.5110	-.5244	-.3988
.857			-.3582		
.865	-.5815				
.900	-.4827		2267	-.0455	-.2275
.935		-.2554			
.950			-.1198		.0000
.953			-.1567		
.965	-.2055				



DATE 15 APR 75 TABULATED PRESSURE DATA - 0422A

(RB2L11)

LOWER WING

ARC11-716 0422 01

MACH ( 2 ) = .904 ALPHA ( 5 ) = 5.220

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

X/CM	2990	3640	4270	5340	6730	7800	8870
W/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CM							
.000	-.2177	-.1559	.2634	.4893	.4413	.3678	.3493
.020				.2094	.1502	.1700	.1547
.030			.3371				
.040		.1110					
.148			.2238				
.350	-.0435			.1430	.0957	.0774	.0369
.083				.0886			
.085			.1650				
.086		.2178					
.094	-.0134			.0658	.0836	.0376	-.0234
.130							
.163		.2793					
.177			.0836				
.229	.1120						
.246		.1047					
.293				.0378	-.0026	.0007	-.0960
.274			.0555				
.362	.2112						
.390		.0562					
.400				.0076	-.0484		-.1467
.402			.0252				
.497	.0627						
.550				-.0989	-.1499		
.603			-.0918				
.650						-.3166	
.700	-.0732			-.3660			
.725				-.3366			
.750					-.4374	-.5102	
.760			-.2848				
.775				-.3531	-.4365		
.808			-.4764				
.834	.0000						
.850				-.6325	-.6037	-.6057	
.857			-.5776				
.865	-.4086						
.900	-.4635			-.2481			-.7018
.905			-.3559	-.1218			
.950				-.0881		.0000	
.955			-.1756				
.955	-.2381						

(R82L11)

LOWER WING

TABULATED PRESSURE DATA - OA22A

ARC11-716 0A22 01

DATE 13 APR 73

$$\text{MACM} (2) = .931 \quad \text{ALPHA} (6) = 10.260$$

SECTION C (LOWER WING)

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.5667	-.4355	-.1482	.2126	.1610	.0575	.0304
.020				.4855	.4347	.4013	.3959
.030			.3978				
.040		-.0958					
.060			.3759				
.080	-.1553			.3923	.3739	.3492	.2992
.100				.3287			
.120			.3417				
.140		.2044					
.160	-.3494			.2504	.2746	.2388	.1607
.180		.3711	.2556				
.200							
.220	.1549						
.240		.2523					
.260			.2580	.1869	.1588	.1569	.0307
.280	.3073						
.300		.1971	.1534	.1288	.0843		-.0309
.320							
.340	.1905		.0181	.0076	-.0365		-.2168
.360						-.1992	
.380	.0358			-.2209	-.2782		
.400			-.2307			-.4502	-.3771
.420				-.3371	-.3476		
.440			-.3916				
.460	.0000			-.3520	-.3461	-.4205	
.480			-.4641				
.500		-.3146					-.6216
.520	-.3636			-.6155	-.7067		
.540			-.5073	-.5537		.0000	
.560							
.580			-.5381				
.600	-.5159						

(RB2L11)

LOWER WING

DATE 13 APR 75 TABULATED PRESSURE DATA - OAZZA

ARC11-716 OAZZ 01

MACH ( 2 ) = .933 ALPHA ( 7 ) = 14.840

SECTION ( 1 )	LOWER WING	DEPENDENT VARIABLE CP
Y/BW	.2990 .3040 .4270 .5340 .6730 .7800 .8870	
X/CW		
.000	-.0330	-.3739
.020		-.5349
.040		-.0925
.060		-.1655
.080		-.2978
.100		-.5044
.120		.5072
.140		.4002
.160		.3267
.180		.1692
.200		.4021
.220		.5111
.240		.5046
.260		.4728
.280		.4171
.300		.4603
.320		.4288
.340		.1785
.360		.3737
.380		.4072
.400		.3672
.420		.2809
.440		.4143
.460		.3726
.480		.1948
.500		.3443
.520		.3076
.540		.2964
.560		.2773
.580		.1901
.600		.3195
.620		.3014
.640		.3333
.660		.2496
.680		.2734
.700		.1696
.720		.0659
.740		.1365
.760		.0568
.780		.1121
.800		-.1548
.820		-.1200
.840		-.2227
.860		-.1738
.880		-.3899
.900		-.2836
.920		-.2145
.940		-.3225
.960		-.2852
.980		-.2931
.000		-.4128
.020		-.4634
.040		-.4438
.060		-.3485
.080		-.1849
.100		-.3258
.120		-.5589
.140		-.5036
.160		-.5945
.180		-.6296
.200		-.0900
.220		-.9660
.240		-.4439

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DATE 15 APR 73 TABULATED PRESSURE DATA - 0422A

(R82L12) ( 08 NOV 73 )

LOWER WING

PARAMETRIC DATA

BETA = .000 ELEVON = .000  
RUDDER = .000 SDBRK = 35.000

REFERENCE DATA

MEF = 2.4210 50.17. XMRP = 29.5800 INCHES  
MREF = 38.7990 INCHES YMRP = .0000 INCHES  
BREF = 38.7990 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

MACH ( 1 ) = .596 ALPHA ( 1 ) = -14.450

SECTION ( 1 ) LOWER WING DEFICIENT VARIABLE CP

Y/BW .2393 .3640 .4270 .5340 .6700 .7800 .8870

X/OW

.000	-.9896	-1.0253	-1.1390	-1.2420	-1.1320	-1.2360	-.8582
.020				-2.1190	-1.3400	-1.1380	-.8026
.030				-1.6210			
.040				-.7645			
.060				-1.9140			
.070				-.6496			
.080				-2.1430	-1.2990	-1.1310	-.7760
.100				-2.3110			
.120				-1.1340			
.140				-.8792			
.160				-.6795			
.180				-2.2460	-1.2850	-1.1140	-.7252
.200				-1.0670			
.220				-.7968			
.240				-1.3580			
.260				-1.2390	-1.1420	-.9868	-.6798
.270				-.6654			
.300				-.7155			
.320				-1.7732			
.340				-1.0600			
.360				-1.5427	-1.9863		-.5753
.380				-.4377			
.400				-1.4567	-1.7459		
.420				-.7536			
.440							-.5234
.460							-.6530
.480							-.5551
.500							-.4320
.520							-.5899
.540							-.4756
.560							
.580							
.600							
.620							
.640							
.660							
.680							
.700							
.720							
.740							
.760							
.780							
.800							
.820							
.840							
.860							
.880							
.900							
.920							
.940							
.960							
.980							
1.000							



DATE 15 APR 75 TABULATED PRESSURE DATA - JAZZA

(082612)

LOWER WING

ARC11-716 JAZZ 01

MACH ( 1 ) = .596 ALPHA ( 1 ) = -14.450

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

V/W .2990 .3640 .4270 .5340 .6730 .7830 .8870

X/CW

.930  
.930  
.933  
.963  
-1.1916  
-1.3768  
-1.5000

MACH ( 1 ) = .596 ALPHA ( 2 ) = -9.830

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

V/W .2990 .3640 .4270 .5340 .6730 .7830 .8870

X/CW

.000  
.000  
.000  
.000  
.000  
.000  
.000  
-1.4267  
-1.4551  
-1.7003  
-1.7311  
-1.7322  
-1.6756  
-1.6294  
-1.9740  
-1.1950  
-0.8419  
-1.9876  
-1.6020  
-1.7100  
-1.2510  
-1.9690  
-1.1790  
-0.8190  
-1.9940  
-2.0370  
-1.9434

-0.594

.006  
.006  
.006  
.006  
.006  
.006  
.006  
-1.3596  
-1.3596  
-1.6550  
-1.1780  
-0.7949  
-0.9796  
-1.0440  
-1.5611

-0.5615

.246  
.246  
.246  
.246  
.246  
.246  
.246  
-1.2448  
-1.2448  
-1.5615  
-1.1550  
-0.7349  
-0.8600  
-1.3226

-0.3636

.362  
.362  
.362  
.362  
.362  
.362  
.362  
-1.3318  
-1.3636  
-1.2847  
-0.8449  
-0.6009  
-1.3351

-0.3351

.402  
.402  
.402  
.402  
.402  
.402  
.402  
-1.3770  
-1.3770  
-1.2749  
-0.5511  
-0.4591  
-1.3027

-0.3443

.965  
.965  
.965  
.965  
.965  
.965  
.965  
-1.3443  
-1.3443  
-1.2749  
-0.5511  
-0.4591  
-1.3027

-0.3443

.600  
.600  
.600  
.600  
.600  
.600  
.600  
-1.3100  
-1.3100  
-1.2330  
-0.3739  
-0.4394  
-0.3390

-0.3316

.723  
.723  
.723  
.723  
.723  
.723  
.723  
-1.3100  
-1.3100  
-1.2330  
-0.3739  
-0.4394  
-0.3390

-0.3316

.800  
.800  
.800  
.800  
.800  
.800  
.800  
-1.4031  
-1.4031  
-1.4031  
-0.3290  
-0.4183  
-0.3290

-0.4183

.834  
.834  
.834  
.834  
.834  
.834  
.834  
-1.3337  
-1.3337  
-1.3155  
-0.2614  
-0.3528  
-0.3155

-0.3155

DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

(RB2L12)

LOWER WING

MACH ( 1 ) = .596 ALPHA ( 2 ) = -3.830

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5540	.6730	.7830	.8870
X/CW							
.857			-.3375				
.865	-.3676						
.900	-.3251		-.2231				-.3463
.905			-.2553	-.1456			
.930			-.0903		.0000		
.955			-.1314				
.965	-.1961						

MACH ( 1 ) = .597 ALPHA ( 3 ) = -4.820

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2930	.3640	.4270	.5340	.6730	.7830	.8870
X/CW							
.830	-.3068	-.1924	-.0569	-.1331	-.2473	-.3110	-.1257
.870				-.18840	-.18140	-.13760	-.9.42
.880			-.8245				
.940		-.2422		-.6740			
.950	-.1755			-.0330	-.1.0700	-.1.2360	-.0535
.960				-.6.93			
.965			-.5309				
.980	-.1815	-.1829					
.990				-.4326	-.4804	-.7526	-.6581
.995		-.2377					
.999	-.0809		-.3558				
.240		-.3149					
.250				-.3135	-.3043	-.3620	-.5023
.274			-.2716				
.362	-.1455						
.390		-.2399					
.400				-.2355	-.2769		-.3282
.422			-.2230				
.490	-.2059						
.550			-.2436	-.2711			
.560			-.2421				
.600							-.2753
.610					-.2649		
.730	-.2330			-.2357			
.770				-.2680			
.780					-.3629	-.3126	
.790			-.2627				





(R02L12)

LOWER WING

DATE 15 APR 75 TABULATED PRESSURE DATA - 0422A

ARC11-716 0422 D1

MACH ( 1 ) = .397 ALPHA ( 3 ) = 4.820

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

V/BW .2990 .3640 .4270 .5340 .6730 .7630 .8870

W/OV

.775						
.804						
.834						
.850						
.837						
.865						
.900						
.935						
.950						
.955						
.965						

MACH ( 1 ) = .598 ALPHA ( 4 ) = .090

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

V/BW .2990 .3640 .4270 .5340 .6730 .7630 .8870

W/OV

.775						
.804						
.834						
.850						
.837						
.865						
.900						
.935						
.950						
.955						
.965						

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2-4

DATE 15 APR 75 TABULATED PRESSURE DATA - OA22A

(RB2L12)

LOWER WING

MACH ( 1 ) = .998 ALPHA ( 4 ) = .090

SECTION ( 1 ) LOWER WING

Y/BW	X/CW	DEPENDENT VARIABLE CP
.2990	.3640	.4270 .5340 .6730 .7800 .8870
.700	-.1665	-.2642
.725		-.2431
.750		
.760		-.2385
.775		-.3599
.808		-.3576
.834	-.2726	
.850		-.2909
.857		-.2630
.865	-.3188	-.2471
.900	-.2695	
.905		-.1918
.920		-.2044
.925		-.0410
.953		-.0611
.965	-.1380	.0000
		-.1610

MACH ( 1 ) = .597 ALPHA ( 5 ) = 5.190

SECTION ( 1 ) LOWER WING

Y/BW	X/CW	DEPENDENT VARIABLE CP
.2990	.3640	.4270 .5340 .6730 .7800 .8870
.000	-.1976	.1553 .3792 .3364 .2645 .2257
.020		.1746 .1590 .2038 .2020
.030		.2686
.040	.0665	
.048		.1600
.050	-.0443	
.080		.0937 .0952 .0896 .0706
.085		.0532
.086	.1615	
.094	-.0326	
.150		.0293 .0500 .0354 .0052
.163	.1948	
.177		.0376
.229	.0767	
.240		.0903
.250		
.274		.0082
.302	.1347	-.0135
.330		.0173
.400		
.402		-.0208
.497	.0110	-.0523
		-.0098
		-.0900



(R82L12)

LOWER WING

DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

ARC11-716 0A22 01

MACH ( 1 ) = .597 ALPHA ( 5 ) = 5.193

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW						
.597						
.565						
.600						
.650						
.700						
.725						
.750						
.760						
.775						
.808						
.834						
.850						
.857						
.865						
.900						
.905						
.950						
.955						
.965						

MACH ( 1 ) = .596 ALPHA ( 6 ) = 10.220

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000							
.020							
.030							
.040							
.048							
.050							
.060							
.065							
.066							
.094							
.150							
.163							
.177							
.229							
.246							
.250							
.274							
.362							





DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

(R02L12)

LOWER WING

MACH ( 2 ) = .923 ALPHA ( 1 ) = -14.490

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2993 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.190 -1.3510 -1.0650 -.8150 -.6165

.163 -.5388

.177 -.8012

.229 -.6369

.246 -.7744

.290 -1.4450 -.9308 -.7805 -.6481

.274 -.8114

.362 -.5574

.390 -.9764

.400 -.4946 -.8346 -.6452

.402 -.7386

.497 -.7863

.590 -.5521 -.7444

.565 -.5092

.6 .1

.650 -.6279

.700 -.5924

.725 -.6927

.750 -.5500

.760 -.6377

.775 -.6850 -.6484

.808 -.8165

.834 -.7146

.850 -.7165 -.6345 -.6211

.857 -.8535

.865 -.7317

.900 -.7505

.905 -.7156 -.6104 -.5915

.925 -.5414

.950 -.4344

.955 -.7702

MACH ( 2 ) = .900 ALPHA ( 2 ) = -9.880

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2993 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000 -.2909 -.4692 -.1887 -.0309 -.1278 -.2513 -.2018

.020 .020

.030 -1.3710 -1.1180 -.9188 -.7232

.040 -.9296

.043 -.3399

.048 -.9704

.050 -1.3730 -1.1180 -.9400 -.6924

(RB2L12)

LOWER WING

DATE 15 APR 75 TABULATED PRESSURE DATA - 0422A

ARC11-716 0422 01

MACH ( 2 ) = .900 ALPHA ( 2 ) = -9.880

SECTION ( 1 ) LOWER WING	DEPENDENT VARIABLE CP
Y/BW	
.2990	.3640
.4270	.3340
.6730	.7800
.8870	
X/CW	
.080	-1.3230
.083	-.9707
.086	-.4621
.094	-.2362
.150	-1.2720
.153	-1.0690
.177	-.8936
.229	-.6748
.246	
.250	-.7245
.274	-.5769
.362	-1.2010
.393	-.9575
.433	-.8366
.437	-.6737
.550	-.2641
.555	-.6403
.600	-.6504
.650	-.4820
.700	-.4296
.725	-.4168
.750	-.7137
.775	-.6261
.808	-.6508
.834	-.4672
.850	-.6091
.857	-.5491
.865	-.4406
.900	-.4441
.903	-.5822
.930	-.6653
.933	-.7357
.953	-.5388
.955	-.5468
.965	-.6839
.966	-.6497
.970	-.5431
.975	-.5357
.980	-.4463
.985	-.4779
.990	-.3325
.995	-.2872
.998	-.3374

DATE 19 APR 75 TABULATED PRESSURE DATA - 0422A

(RB2L12)

LOWER WING

MACH ( 2 ) = .898 ALPHA ( 3 ) = -4.840

ARC11-716 0422 01

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.0190	-.0932	.1340	.2279	.1301	.0284	.0698
.020				-1.2830	-1.3690	-1.3900	-1.3370
.030				-.5783			
.040		-.1170					
.048			-.5135				
.053	-.1282		-1.2150	-1.3690	-1.4240	-1.4430	
.060				-.9428			
.065			-.4250				
.066		-.0671					
.094	-.1444			-.6114	-.8766	-1.2900	-1.3440
.150			-.0786				
.163				-.4620			
.177	-.3199						
.279		-.2916		-.4367	-.5322	-.7163	-.9716
.246							
.250			-.3853				
.274							
.362	-.0438						
.330		-.3306					
.400				-.3119	-.3627		-.5706
.432			-.3059				
.497	-.3084			-.3251	-.3886		
.550			-.3165				
.565						-.2762	
.600					-.4088		
.650				-.4336			
.700	-.3144					-.4435	-.4033
.725							
.750			-.4420				
.760				-.4615	-.5429		
.775			-.6293				
.808							
.834	-.4788			-.5537	-.5609	-.4249	
.850			-.3758				
.857							
.875	-.5759						
.900	-.4647		-.2415				-.2390
.925			-.2537	-.0552			
.950				-.1209			.0000
.955			-.1640				
.965	-.1085						







(NB2L12)

LOWER WING

DATE 15 APR 75 TABULATED PRESSURE DATA - 0422A

ARC11-716 0422 01

MACH (2) = .950 ALPHA (5) = 5.170

SECTION (1) LOWER WING DEPENDENT VARIABLE C<sub>p</sub>

Y/BW	.2930	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.2186	-.1685	.2658	.4031	.4429	.3672	.3502
.020				.2058	.1475	.1631	.1512
.030			.3346				
.040		.1146					
.048			.2192				
.050	-.0432			.1384	.0918	.0766	.0263
.080				.0694			
.105			.1591				
.106		.2156					
.134	-.0144			.0611	.0814	.0335	-.0297
.150			.2726				
.160							
.177			.0792				
.229	.1099						
.240		.1306		.0331	.0029	-.0025	-.0371
.250			.0518				
.274	.2068						
.302		.0555		.0037	-.0489		-.1520
.330			.0248				
.437	.0346			-.0966	-.1493		
.550			-.0335				
.600							-.3272
.650					-.3138		
.700	-.0774			-.3378	-.3685		
.725						-.5002	-.5219
.750			-.2722				
.760				-.3550	-.4446		
.775			-.4741				
.808							
.834	-.3390				.6414	-.0088	-.6098
.850							
.857			-.5794				
.875	-.4133						
.900	-.4583			-.2848			-.6690
.905			-.3577	-.0933			
.950			-.1039				.0000
.955			-.1157				
.965	-.2283						

DATE 15 APR 75 TABULATED PRESSURE DATA - 0422A

(RB2L12)

LOWER WING

ARC11-716 0422 01

MACH (2) = .902 ALPHA (6) = 10.280

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

V/W	.2990	.3640	.4273	.5340	.6750	.7800	.8870
1/CM							
.000	-.0633	-.4258	-.1525	.2591	.1646	.0621	.0237
.020				.4904	.4351	.4605	.3979
.030			.3972				
.040		-.0601					
.048			.3724				
.050	-.1593			.3995	.3768	.3530	.3099
.060				.3253			
.085			.3374				
.096		.2533					
.094	-.0513						
.130		.3668		.2520	.2775	.2435	.1690
.163			.2542				
.177							
.229	.1919	.2481		.1938	.1719	.1617	.0494
.246			.2533				
.290							
.274							
.362	.3107	.1931					
.390				.1936	.0851		-.0253
.400			.1474				
.432				.0134	-.0373		
.487	.1871		.0130				-.2598
.590					-.2794		
.565							
.600							
.690	.0375			-.2179		-.4425	-.3662
.725							
.750							
.760			-.2281				
.775				-.3333	-.3487		
.808			-.3682				
.834	-.2932						
.890				-.5332	-.5465	-.5132	
.897			-.4591				
.865	-.3070						
.930	-.3758			-.6114	-.6810		-.6127
.955			-.5835		-.4086		.0723
.990							
.953			-.5335				
.965	-.5193						



(MB2L12)

LOWER WING

DATE 15 APR 75 TABULATED PRESSURE DATA - OAZZA

ARC11-716 OAZZ 01

MACH (2) = .900 ALPHA (7) = 14.840

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BA	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.8900	-.3880	-.5415	-.1011	-.1674	-.2959	-.3038
.020			.3251	.5511	.5052	.5100	.4004
.030		-.1620					
.040			.4093				
.048				.5114	.5010	.4750	.4158
.050	-.2283		.4615				
.060			.4304				
.065		.1785					
.086	-.0606			.3799	.4055	.3670	.2786
.094		.4137					
.100			.3697				
.103							
.107	.1971						
.129		.3439					
.146				.3055	.2869	.2775	.1503
.150			.3167				
.152							
.153	.3802	.2989					
.154			.2236	.1890			.0667
.155			.2476				
.156	.2823			.1310	.0560		
.157			.1008				
.158							
.159							
.160							
.161							
.162							
.163							
.164							
.165							
.166							
.167							
.168							
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.191							
.192							
.193							
.194							
.195							
.196							
.197							
.198							
.199							
.200							



(R02L13) ( 03 JAN 74 )

LOWER WING

TABULATED PRESSURE DATA - Q422A

ARC11-716 Q422 O1

REFERENCE DATA

REF = 2.4210 36.171. ZMRP = 29.5000 INCHES  
 LREF = 36.7390 INCHES YMRP = .0000 INCHES  
 BREF = 36.7390 INCHES ZMRP = .0000 INCHES  
 SCALE = .0300 SCALE

ALPHA ( 1 ) = -10.000 BETA ( 1 ) = -9.070

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

V/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870

W/CW	-.0299	-1.2210	-.7878	-.6096	-.4405	-.4008	-.1547
.000							
.020							
.030							
.040							
.048							
.050							
.060							
.065							
.086							
.094							
.130							
.163							
.177							
.229							
.246							
.253							
.274							
.352							
.393							
.403							
.402							
.497							
.590							
.565							
.600							
.633							
.733							
.725							
.753							
.763							
.775							
.836							
.834							
.850							
.857							
.855							
.833							
.835							

PARAMETRIC DATA

MACH = .600 ELEVON = .020  
 RUDDER = .000 SPOILER = .000





(RB2L13)

LOWER WING

DATE 15 APR 73 TABULATED PRESSURE DATA - 0A22A

ARC11-716 0A22 O1

ALPHA ( 1 ) = -10.010 BETA ( 2 ) = 10.110

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8670
X/CW							
	.857		-.3094				
	.865	-.3782					
	.900	-.3230	-.2395				-.3432
	.905		-.2423	-.0305			
	.950			-.0956		.0000	
	.953		-.0067				
	.965	-.1915					

ALPHA ( 2 ) = -.110 BETA ( 1 ) = -9.980

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8670
X/CW							
	.000	.0356	.0063	.2924	.4205	.4327	.3952
	.023				.4327	.3952	.4837
	.030			-.9142	-1.0040	-.9502	-.9650
	.040		-.5237				
	.048		-.1370				
	.050			-.4900			
	.050	-.1453		-.5190	-.5501	-.5834	-.5844
	.060				-.4441		
	.085		-.3430				
	.086		-.0987				
	.094	-.1911					
	.130			-.2812	-.2769	-.2796	-.2613
	.163		-.1421				
	.177			-.2397			
	.229	-.0692					
	.246		-.2321				
	.250			-.1999	-.2261	-.2133	-.2466
	.274			-.1785			
	.302	-.1156					
	.390		-.1596				
	.400			-.1525	-.1678		-.1857
	.402		-.1353				
	.437	-.1544					
	.530			-.1854	-.1996		
	.565						
	.600		-.1850				
	.650						-.2284
	.700	-.1873					
	.725			-.2355			
	.750				-.2336		
	.760						-.3498
			-.2274				-.3084



DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

(RB2L13)

LOWER WING

ARC11-716 0A22 01

ALPHA ( 2 ) = -.110 BETA ( 1 ) = -9.980

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.775				-.3325	-.3255		
.308			-.3554				
.834	-.2643			-.2788	-.2500	-.2420	
.850							
.857			-.2569				
.865	-.3164			-.1845			-.1798
.900	-.2409						
.905			-.1802	-.0351			
.920				-.0495		.0000	
.955			-.0636				
.965	-.0828						

ALPHA ( 2 ) = -.120 BETA ( 2 ) = 10.010

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.900	-.1300	-.0403	.1891	.2957	.2355	.1814	.2235
.920				-.1872	-.3145	-.3400	-.3792
.930			.0917				
.940		.0381					
.948			-.0133				
.950	-.0936			-.1460	-.2270	-.2664	-.3015
.960				-.1439			
.985			-.0456				
.986		.0743					
.994	-.0798						
.193				-.1277	-.1227	-.1688	-.1810
.193		.0864					
.177			-.0909				
.229	.0109						
.246		-.0629					
.290				-.1186	-.1441	-.1521	-.2094
.274			-.0924				
.362	.0317						
.390		-.0911					
.400				-.1106	-.1474		-.1596
.492			-.1007				
.497	-.0790						
.553				-.1574	-.1753		
.555			-.1623				-.1985
.603							-.2100
.650							





(R82L13)

DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

ARC11-716 0A22 01

LOWER WING

ALPHA ( 2 ) = -.120 BETA ( 2 ) = 10.010

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.3340	.6730	.7800
.6870		
.700	-.1535	-.2431
.725		-.2317
.750		-.3114
.760		-.2734
.775		-.2222
.804		-.3430
.834		-.3068
.850		-.3094
.857		-.2676
.865		-.2455
.900		-.2229
.905		-.2567
.930		-.1819
.935		-.1257
.950		-.0281
.953		-.0532
.955		-.0030
		-.0831
		-.1630

ALPHA ( 3 ) = 10.150 BETA ( 1 ) = -9.860

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.5340	.6730	.7800
.6870		
.700	-.1711	.0455
.725		.2867
.750		.1650
.760		-.0317
.775		-.1441
.804		.5105
.834		.5312
.850		.5792
.857		.5602
.900		.4650
.905		.1743
.930		.3600
.935		.3666
.950		.4244
.953		.4140
.955		.2922
		.2935
		.3041
		.0833
		.190
		.163
		.177
		.1989
		.1692
		.1732
		.1667
		.1721
		.1854
		.1359
		.1600
		.2279
		.1375
		.1102
		.0859
		.0606
		.1111
		.1234

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(RB2L13)

LOWER WING

ARC11-716 OA22 O1

ALPHA ( 3 ) = 10.150 BETA ( 1 ) = -9.860

SECTION ( 1 ) LOWER WING		DEPENDENT VARIABLE CP			
V/BW		.2990	.3640	.4270	.5340 .6730 .7800 .8870
X/CW					
.590				.0115	-.0047
.565			.0031		
.600					-.1054
.630					-.1037
.700	.0100			-.1474	
.725				-.1284	-.2369 -.1924
.750					
.760				-.1332	
.775				-.2504	-.2255
.808				-.2554	
.834	-.1902			-.2259	-.2103 -.2161
.850				-.2055	
.857					
.865	-.2161			-.1597	-.2158
.900	-.1754			-.1563	-.0367
.935				-.0449	.0000
.950				-.0525	
.955	-.0506				

ALPHA ( 3 ) = 10.180 BETA ( 2 ) = 10.110

SECTION ( 1 ) LOWER WING		DEPENDENT VARIABLE CP			
V/BW		.2990	.3640	.4270	.5340 .6730 .7800 .8870
X/CW					
.500	-.6859	-.4090	-.6883	-.5861	-.7921 -1.1130 -1.1880
.020				.2518	.1965 .1902 .0524
.030			-.0071		
.040		-.4113			
.048			.1167		
.050	-.4754			.2450	.2493 .2295 .1800
.060				.2120	
.085			.1693		
.086	-.0736				
.094	-.2909				
.150				-.1533	.1897 .1530 .0731
.163			.1661		
.177			.1505		
.229	-.0140				
.240			.1119		
.250				.1036	.0935 .0854 -.0317
.274				.1158	
.362	.1390				



(RB2L13)

LOWER WING

DATE 13 APR 73

ARC11-716 0A22 01

ALPHA ( 3 ) = 10.100 BETA ( 2 ) = 10.110

SECTION ( 1 ) LOWER WING

V/BW	.2993	.3640	.4270	.5340	.6730	.7800	.8870
X/CW		.0895					
.390							
.400				.0482	.0260		-.0605
.402			.0567				
.497	.0736						
.550				-.0321	-.0580		
.563			-.0324				
.600							-.1809
.650						-.1590	
.700	-.0294				-.2017		
.725				-.1710			
.750			-.1716				
.760				-.2773	-.2418		
.775			-.2483				
.806							
.834	-.2206			-.2492	-.2412	-.2391	
.850							
.857			-.2270				
.865	-.2155						
.900	-.2212			-.1956			-.2281
.905			-.2012		-.0731		
.950				-.0943		.0000	
.953			-.1053				
.965	-.1645						

DATE 15 APR 75

TABULATED PRESSURE DATA - 0A22A

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ARC11-716 0A22 01

LOWER WING

(RB2L34) ( 03 JAN 74 )

## REFERENCE DATA

SREF = 2.4210 30. FT. XMRP = 29.5800 INCHES  
 LREF = 30.7090 INCHES YMRP = .0000 INCHES  
 BREF = 30.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0000 SCALE

ALPHA ( 1 ) = -10.160 BETA ( 1 ) = -9.800

## PARAMETRIC DATA

MACH = .900 ELEVON = .000  
 RUDDER = .000 SPDBRK = .000

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE OF

Y/B4	.2390	.3540	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.5777	-.6198	-.1474	.1092	.0902	.0083	.0561
.020				-1.3920	-1.0570	-.9325	-.8698
.030							
.040							
.048							
.050							
.060							
.085							
.080							
.094							
.100							
.103							
.177							
.223							
.240							
.250							
.274							
.302							
.330							
.400							
.402							
.437							
.553							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							

DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

(882L14)

LOWER WING

ARC11-716 0A22 01

ALPHA ( 1 ) = -10.160 BETA ( 1 ) = -9.660

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.950  
.933  
.963 -.3381  
-.3496  
-.4304 .0000

ALPHA ( 1 ) = -10.160 BETA ( 2 ) = 10.070

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000 .0368 -.0314 -.0946 -.3216 -.4868 -.4439  
.020 .020 -1.3070 -1.2310 -.8743 -.7001  
.030 -.5970  
.040 .0000  
.048 -.4584  
.050 -.0063 -1.3200 -1.2060 -.6578 -.6905  
.060 -1.2410  
.065 -.4135  
.066 -.0262  
.094 -.0134  
.150  
.163 -.0921  
.177 -.4891  
.229 .0248  
.245 -.2793  
.290  
.274 -.4948  
.362 -.0361  
.390 -.4315  
.400  
.402 -.4997  
.497 -.3642  
.550  
.563  
.600  
.650  
.700 -.4384  
.723  
.730  
.760  
.775  
.808  
.834 -.3783  
.850

-.3367 -.6973 -.6156  
-.4396 -.4445  
-.4072  
- .5337  
-.5348 -.5016  
-.5303  
-.5984 -.5163  
-.6724  
-.4654 -.5328 -.4694



(RB2L14)

LOWER WING

ALPHA (1) = -10.180 BETA (2) = 10.070

ARC11-716 0422 01

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

V/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.897							
.865							
.900							
.905							
.950							
.955							
.965							

ALPHA (2) = -1.160 BETA (1) = -9.950

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

V/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.030							
.020							
.050							
.040							
.048							
.050							
.060							
.065							
.086							
.094							
.150							
.160							
.177							
.229							
.240							
.250							
.274							
.362							
.390							
.400							
.422							
.437							
.550							
.565							
.600							
.650							
.725							
.750							
.760							



DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

(R02L14)

LOWER WING

ALPHA ( 2 ) = -.180 BETA ( 1 ) = -9.950

ARC11-716 0A22 D1

SECTION ( 1 )	LOWER WING	DEPENDENT VARIABLE CP
Y/BW		
.2990	.3640	.4270
.5340	.6750	.7800
.8870		
X/CW		
.775		-.3818
.808		-.3788
.834	-.3895	
.850		-.6617
.857		-.5952
.865	-.4649	-.4767
.903	-.4626	
.905		-.4909
.905		-.1806
.930		-.1905
.930		-.0608
.933		-.0639
.933	-.0958	.0000
.963	-.1035	

ALPHA ( 2 ) = -.180 BETA ( 2 ) = 10.000

SECTION ( 1 )	LOWER WING	DEPENDENT VARIABLE CP
Y/BW		
.2990	.3640	.4270
.5340	.6750	.7800
.8870		
X/CW		
.000	-.1908	-.0004
.020		.2357
.030		.3468
.040		.2392
.046	.0736	.1492
.050		-.1599
.060		-.3322
.063		-.4325
.066	.1634	-.5374
.080		
.085	.0533	
.094		-.1244
.100	-.0817	-.2537
.106		-.3414
.110		-.4126
.113		-.1353
.117		
.124	.0019	
.129		-.1294
.135		-.1523
.140	.1248	-.2130
.146		-.3114
.150		
.153	.1552	
.177		-.0649
.229	.0348	
.246		-.0234
.250		
.274		-.1280
.362	.0826	-.1740
.390		-.2012
.400	-.0807	-.3196
.402		
.402		-.0683
.497	-.0766	
.550		-.1368
.553		-.1947
.565		-.2952
.603		-.2149
.633	-.2137	-.2782
		-.4348
		-.4256

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DATE 15 APR 75 TABULATED PRESSURE DATA - 0422A

(RBL14)

LOWER WING

ARC11-716 0422 01

ALPHA ( 2 ) = -.180 BETA ( 2 ) = 10.000

SECTION ( 1 ) LOWER WING DEFENDENT VARIABLE CP

Y/5W	X/5W	DEFENDENT VARIABLE CP
.2990	.3640	.4270
.5340	.6730	.7800
.8870		.8870
.700	-.1917	-.4661
.725		-.4322
.750		-.5492
.760		-.6127
.775		-.4078
.804		-.4655
.834		-.5353
.850		-.5510
.857		-.5922
.865		-.3052
.900		-.1998
.903		-.5531
.905		-.1701
.925		-.0925
.935		-.2116
.950		-.0521
.953		-.0728
.965		.0000
		-.1024

ALPHA ( 3 ) = 10.050 BETA ( 1 ) = -9.870

SECTION ( 1 ) LOWER WING DEFENDENT VARIABLE CP

Y/5W	X/5W	DEFENDENT VARIABLE CP
.2990	.3640	.4270
.5340	.6730	.7800
.8870		.8870
.700	-.1448	-.1729
.725		.3150
.750		.5315
.760		.5900
.775		.4672
.804		.4978
.834		.5253
.850		.5111
.857		.4920
.900		.5268
.903		.2601
.905		.4150
.925		.3686
.935		.3835
.950		.3837
.953		.3473
.965		.3014
		.3393
.2990	.3640	.4270
.5340	.6730	.7800
.8870		.8870
.700	.0797	.2504
.725		.2872
.750		.2686
.760		.2188
.775		.2386
.804		.4079
.834		.2264
.850		.2407
.857		.1960
.900		.1351
.903		.1914
.905		.1877
.925		.0984
.935		.1604
.950		.1419
.953		.1010
.965		.0363
		.1504
		.1068





DATE 15 APR 75 TABULATED PRESSURE DATA - QAZZA

(RB2L14)

LOWER WING

ARC11-716 QAZZ 01

ALPHA ( 3 ) = 10.050 BETA ( 1 ) = -9.070

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

V/W	.2990	.3640	.4270	.5340	.6750	.7800	.8870
X/C				.0192	-.0188		
.550							
.565			.0140				-.1639
.600							
.650						-.1735	
.700	.0356				-.2753		
.725				-.2140			
.750						-.4201	-.3789
.760			-.2133				
.775				-.3192	-.3201		
.808			-.4266				
.834	-.2851						
.850				-.5473	-.5084	-.5001	
.857			-.5145				
.865	-.3500						
.900	-.4080		-.6441		-.6762		-.5634
.935			-.6225				
.950			-.2981			.0000	
.953			-.1658				
.965	-.2344						

ALPHA ( 3 ) = 10.120 BETA ( 2 ) = 10.100

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

V/W	.2980	.3640	.4270	.5340	.6750	.7800	.8870
X/C							
.000	-.6452	-.3020	-.4217	-.1925	-.2479	-.3789	-.3715
.020				.5231	.2630	.2818	.1861
.050			.0926				
.080		-.2809					
.088			.1802				
.090	-.6042			.2913	.2805	.2432	.1998
.095				.2564			
.096		.0031	.2252				
.098	-.2347						
.099				.1931	.2181	.1694	.0848
.150		.2258					
.163			.2597				
.177							
.229	.0263						
.240		.1586					
.253				.1418	.1240	.1064	-.0385
.274			.1615				
.362	.1914						

(R02L14)

LOWER WING

TABULATED PRESSURE DATA - 0422A

ARC11-716 0422 01

ALPHA ( 3 ) = 10.120 BETA ( 2 ) = 10.100

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW						
.590	.1401					-.0932
.400		.0016	.0374			
.432		.0361				
.487	.1262					
.550		-.0193	-.0740			
.555		-.0234				-.2819
.600				-.2240		
.650			-.3393			
.700	-.0019	-.2498		-.4423	-.4120	
.725						
.750		-.2658				
.760		-.3511	-.3739			
.775		-.3734				
.800						
.834	-.3392			-.5500	-.5500	
.850		-.4605				
.874						
.905	-.3369					-.6722
.920	-.3369	-.6068				
.935		-.5861	-.7332			
.950		-.5174		.0000		
.955		-.4938				
.965	-.3517					

DATE 13 APR 75 TABULATED PRESSURE DATA - 0A22A

(RBL15) (03 JAN 74)

LOWER WING

ARC11-716 0A22 01

REFERENCE DATA

REF = 2.4210 34. FT. XREF = 29.5000 INCHES  
 LREF = 34.7090 INCHES VREF = .0000 INCHES  
 BREF = 34.7090 INCHES ZREF = .0000 INCHES  
 SCALE = .0000 SCALE

PARAMETRIC DATA

MAOH = .600 ELEVON = -20.000  
 RUDDER = .000 SPOBRK = .000

ALPHA (1) = -9.970 BETA (1) = -9.880

SECTION (1) LOWER WING DEPENDENT VARIABLE C<sub>D</sub>

V/W .2990 .3640 .4270 .5340 .6750 .7800 .8870

W/OV

.000	-.6489	-1.2330	-.8430	-.7261	-.6559	-.6822	-.4326
.020				-2.0320	-1.2830	-1.0620	-.8069
.030			-2.3180				
.040		-1.3680					
.046			-2.3580				
.050	-.6830			-1.9940	-1.3040	-1.0440	-.8118
.060				-1.9600			
.065			-2.2110				
.066		-1.3030					
.084	-.7749			-1.8630	-1.2240	-.9834	-.7831
.130		-1.3190					
.163							
.177			-6067				
.229	-.4288						
.246		-1.4650		-1.4800	-1.1500	-.9164	-.7539
.290							
.274			-5567				
.362	-.4397						
.390		-7316					
.400				-8662	-1.0470		-.7322
.402			-4251				
.497	-.4730						
.530				-4292	-.9232		
.563							
.600			-3990				-.6893
.630							
.700	-.4448						
.723				-5268			-.6882
.730							
.760							
.773							
.808				-1.0900	-.6845		
.834	-.8392						
.830							
.837							
.863	-1.1810						
.900	-.7264						
.933							

-.5068

-.5226

-.5090

DATE 15 APR 75

TABULATED PRESSURE DATA - QAZ2A

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ARC11-716 QAZ2 D1

LOWER WING

(REBELLS)

ALPHA ( 1 ) = -9.800 BETA ( 1 ) = -9.800

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.0900 -.4762 .0000

.2950 -.3771

.5950 -.3308

ALPHA ( 1 ) = -9.890 BETA ( 2 ) = 10.100

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.0900 -.1395 -.2977 -.4825 -.8418 -1.0640 -1.1610 -1.1580

.2950 -.0390 -1.6650 -1.4450 -1.0910 -1.1850

.5950 -.1920 -.6387

.8950 -.1241 -2.0200 -1.4350 -1.1120 -1.2100

.0900 -.16840

.2950 -.7176

.5950 -.2691

.8950 -.1422

.0900 -.4569

.2950 -.5835

.5950 -.6493

.8950 -.2142

.0900 -.3631

.2950 -.3729

.5950 -.5090

.8950 -.3780

.0900 -.6714

.2950 -.5643

.5950 -.1070

.8950 -.11720

.0900 -.11200

.2950 -.9778

.5950 -.8253

.8950 -.6834

.0900 -.5345

.2950 -.5380

.5950 -.6664

.8950

(RB2L15)

LOWER WING

DATE 15 APR 75 TABULATED PRESSURE DATA - Q422A

ARC11-716 Q422 O1

ALPHA ( 1 ) = -9.890 BETA ( 2 ) = 10.100

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.837			-.5126				
.865	-.8046						-.8310
.900	-.3609		-.4700				
.905		-.5070		-.4426			
.930			-.4917		.0000		
.953			-.4376				
.965	-.5193						

ALPHA ( 2 ) = -.220 BETA ( 1 ) = -9.970

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	.0344	-.0184	.2447	.3336	.3109	.2286	.3117
.020				-1.2100	-1.4320	-1.4140	-1.4640
.030			-.6685				
.040		-.1899					
.048			-.5945				
.050	-.1610		-.6628	-.7376	-.7934	-.8014	
.080			-.5622				
.085			-.4268				
.086		-.1511					
.094	-.1977			-.3625	-.3808	-.4169	-.4192
.150							
.163		-.1920					
.177			-.3085				
.229	-.0951						
.246		-.2911		-.2818	-.3261	-.3301	-.3730
.250							
.274			-.2405				
.362	-.1708						
.390		-.2196		-.2410	-.2989		-.3361
.400							
.402			-.2089				
.497	-.2031				-.3086	-.3628	
.550							
.565			-.2867				
.600							-.4950
.650						-.5005	
.700	-.2985			-.5253		-.5981	
.725							-.7279
.750							-.7417
.760			-.4549				

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(RB2L15)

LOWER WING

DATE 15 APR 75 TABULATED PRESSURE DATA - OA22A

ARC11-716 OA22 O1

ALPHA ( 2 ) = -.220 BETA ( 1 ) = -9.970

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.775				-.6203	-.6501		
.808			-.5434				
.834	-.6208						
.850				-.4868	-.4462	-.5782	
.857			-.4850				
.865	-.6534						-.6173
.900	-.4019		-.4180				
.905		-.4073	-.4320				
.950			-.3876			.0000	
.953		-.3532					
.965	-.2676						

ALPHA ( 2 ) = .080 BETA ( 2 ) = 10.010

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.11003	-.0159	.2026	.2810	.1912	.0917	.1242
.020				-.2804	-.4508	-.5635	-.6353
.030			.0635				
.040		.0442					
.048		-.0366					
.050	-.0855		-.2091	-.3315	-.3902	-.4575	
.080			-.1920				
.085		-.0814					
.086		.0740					
.094	-.0797						
.150		.0707		-.1713	-.1918	-.2481	-.2871
.163			-.1248				
.177	-.0011						
.229		-.0892					
.246				-.1766	-.2233	-.2275	-.2771
.250			-.1357				
.274							
.362	.0175						
.390		-.1265					
.400				-.1778	-.2331		-.2403
.402			-.1591				
.497	-.1214			-.2627	-.3113		
.550			-.2500				
.565							-.3467
.600							-.3962
.650							



DATE 15 APR 75 TABULATED PRESSURE DATA - Q422A

(R82L13)

LOWER WING

ARC11-716 Q422 01

ALPHA ( 2 ) = .000 BETA ( 2 ) = 10.010

SECTION ( 1 ) LOWER WING		DEPENDENT VARIABLE CP	
Y/BW	X/CW		
.2990	.3640	.4270	.5340
.6730	.7800	.8870	
.700	-.2458	-.5573	
.725		-.4874	-.4151
.750			-.3860
.760		-.5133	
.775		-.4502	- 6797
.808		-.6652	
.834	-.5912	-.5019	-.4337
.850		-.4369	
.857			
.865	-.6654	-.5108	-.4726
.920	-.4819	-.4461	-.3338
.905		-.4522	.0000
.950		-.3971	
.953			
.965	-.4367		

ALPHA ( 3 ) = 10.210 BETA ( 1 ) = -9.860

SECTION ( 1 ) LOWER WING		DEPENDENT VARIABLE CP	
Y/BW	X/CW		
.2990	.3640	.4270	.5340
.6730	.7800	.8870	
.700	-.1472	-.2498	.1361
.725			.3859
.750			.2995
.760			.1800
.775			.4506
.808		.4443	.5184
.834		.3343	.5111
.850	.0846	.3136	.3483
.857		.2353	.3250
.865	.085	.2594	
.920	.086	.3018	
.905	.094	.0863	
.950	.150		.1688
.953	.163	.3171	.2009
.965	.177	.1558	.1978
.229	.1801		.1707
.246	.1591		
.250		.1103	.0997
.274		.1066	.1075
.352	.2091		.0483
.390		.0922	
.400			.3341
.432			-.0020
.437	.0787	.0540	-.0413

DATE 15 APR 75 TABULATED PRESSURE DATA - 0A22A

ARC11-716 0A22 01 LOWER WING (RB2L15)

ALPHA ( 3 ) = 10.210 BETA ( 1 ) = -9.860

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.590				-.1016	-.1142		
.565			-.0963				-.2816
.600						-.3070	
.650					-.4494		
.700	-.0950			-.4376			
.725							
.750							
.760							
.775							
.808							
.834	-.5723						
.850							
.857							
.865	-.5900						
.900	-.4399						
.915							
.950							
.953							
.965	-.2473						

ALPHA ( 3 ) = 10.150 BETA ( 2 ) = 10.110

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.0480	-.3773	-.5748	-.4086	-.5516	-.7354	-.7408
.020				.2641	.2232	.2407	.1537
.030			.0241				
.040		-.3639	.1187				
.048							
.050	-.4596			.2327	.2321	.2116	.1758
.060				.1943			
.085				.1573			
.086	-.0623						
.094	-.2787						
.150				.1253	.1489	.1207	.0448
.163		.1346					
.177			.1217				
.229	-.0100						
.246		.0324					
.250				.0584	.0466	.0363	-.0598
.274			.0746				
.362	.1400						





**TABULATED PRESSURE DATA - OA22A**

(RB2L15)

LOWER WING

ARC11-716 OA22 01

$$\text{ALPHA} (3) = 10.150 \quad \text{BETA} (2) = 10.110$$

DEPENDENT VARIABLE CP

[illegible][illegible]

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$$\text{BETA}(1) = -11.260$$

-9.950

SECTION 1: 11/07/2017 WING

DEPENDENT VARIABLE CP

1981	2999	3640	.4270	.5340	.6730	.7800	.8870
------	------	------	-------	-------	-------	-------	-------

	- .6273	- .5902	- .5955	.0000
X/CW				
.950				
.955				
.965				

$$\text{ALPHA} ( 1 ) = -10.060 \quad \text{BETA} ( 2 ) = 10.060$$

060

DEPENDENT VARIABLE OF

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2
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0.000	0.0433	-0.0634	-0.0461	-0.1193	-0.3595	-0.5231	-0.5400
0.020				-1.3250	-1.3240	-1.1780	-0.8034
					-0.5689		

0.45	-0.4555	-1.3350	-1.2730	-1.1480	-0.7894
0.46					
0.50	0.0031				
0.60		-1.2730			
0.65		-0.4238			

	-0.0037	-1.1120	-1.3353	-1.0870	-0.7837
	.094				
	.190				
	.163				
	.177				
		-0.0957			
			-0.4993		

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-.5136  
-.5140 -1.3410 -1.0360 -.7950

-.392	-.4275	-.4954	-.2799	-.7897
-.393				
-.403				
-.402		-.4914		

-.337	-.333		
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.565		-.5047	
.603			-.7687
-.005			-.6987

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725		-5649	
753			-1.0333 -6833
763		-4886	

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DATE 15 APR 75 TABULATED PRESSURE DATA - 0422A

(RB2L16)

LOWER WING

ARC11-716 0422 01

ALPHA ( 2 ) = .010 BETA ( 1 ) = -9.970

SECTION ( 1 ) LOWER WING

DEPENDENT VARIABLE CP

V/BW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
X/CW							
.775				-.7834	-1.2630		
.808			-.8377				
.834	-.4526			-.5637	-.7751	-.6929	
.850			-.5704				
.857							
.865	-.9411			-.5813			-.7050
.900	-.6823			-.5579			
.935			-.5653	-.5993		.0000	
.950			-.5617				
.955							
.965	-.4635						

ALPHA ( 2 ) = .090 BETA ( 2 ) = 10.000

SECTION ( 1 ) LOWER WING

DEPENDENT VARIABLE CP

V/BW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
X/CW							
.000	-.1903	.0362	.2517	.3547	.2499	.1631	.1973
.020				-.1419	-.3315	-.4369	-.5471
.030			.1715				
.040		.0838					
.048			.0692				
.050	-.0710			-.1054	-.2371	-.3254	-.4042
.060				-.1246			
.065			.0158				
.066		.1297					
.084	-.0442			-.1152	-.1384	-.1976	-.2940
.150							
.163		.1603					
.177			-.0605				
.228	.0499						
.246		-.0108					
.250				-.1137	-.1676	-.1888	-.2617
.274			-.0828				
.362	.1064						
.390		-.0675		-.1231	-.1650		-.2341
.400			-.1010				
.432							
.497	-.0587						
.550				-.2044	-.2654		
.565			-.2381				
.600							-.1415
.650						-.2990	

DATE 15 APR 75 TABULATED PRESSURE DATA - 0422A

(RB2L16)

LOWER WING

ALPHA ( 2 ) = .090 BETA ( 2 ) = 10.000  
SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	Z/CW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
.700	-.1945				-.4031		-.3671	-.7748
.725								
.750								
.760								
.775								
.808								
.834	-.4376							
.850								
.857								
.865	-.11553							
.900	-.6703							
.905								
.910								
.915								
.920								
.925								
.930								
.935								
.940								
.945								
.950								
.955								
.960								
.965								
.970								
.975								
.980								
.985								
.990								
.995								
1.000								

ALPHA ( 3 ) = 10.210 BETA ( 1 ) = -9.880  
SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	Z/CW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
.700	-.1456							
.725								
.750								
.760								
.775								
.808								
.834								
.850								
.857								
.865								
.900								
.905								
.910								
.915								
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.935								
.940								
.945								
.950								
.955								
.960								
.965								
.970								
.975								
.980								
.985								
.990								
.995								
1.000								



ALPHA ( 3 ) = 10.210      BETA ( 1 ) = -9.000

IC 22WC 916-1104

SECTION ( 1) LOWER WING	DEPENDENT VARIABLE CP
1	0.00
2	0.00
3	0.00
4	0.00
5	0.00
6	0.00
7	0.00
8	0.00
9	0.00
10	0.00
11	0.00
12	0.00
13	0.00
14	0.00
15	0.00
16	0.00
17	0.00
18	0.00
19	0.00
20	0.00
21	0.00
22	0.00
23	0.00
24	0.00
25	0.00
26	0.00
27	0.00
28	0.00
29	0.00
30	0.00
31	0.00
32	0.00
33	0.00
34	0.00
35	0.00
36	0.00
37	0.00
38	0.00
39	0.00
40	0.00
41	0.00
42	0.00
43	0.00
44	0.00
45	0.00
46	0.00
47	0.00
48	0.00
49	0.00
50	0.00
51	0.00
52	0.00
53	0.00
54	0.00
55	0.00
56	0.00
57	0.00
58	0.00
59	0.00
60	0.00
61	0.00
62	0.00
63	0.00
64	0.00
65	0.00
66	0.00
67	0.00
68	0.00
69	0.00
70	0.00
71	0.00
72	0.00
73	0.00
74	0.00
75	0.00
76	0.00
77	0.00
78	0.00
79	0.00
80	0.00
81	0.00
82	0.00
83	0.00
84	0.00
85	0.00
86	0.00
87	0.00
88	0.00
89	0.00
90	0.00
91	0.00
92	0.00
93	0.00
94	0.00
95	0.00
96	0.00
97	0.00
98	0.00
99	0.00
100	0.00

	.2990	.3640	.4270	.5340	.6730	.7600	.8670
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500	.0197	-.0103	
565	.0193		
600			-.1285
635			
700	.0173	-.2439	-.1579
725		-.1900	
750			
760	-.1646		-.7918
775		-.7455	-.7634
800	-.9617		
834	-.2906		
893		-.5313	-.5763
897	-.5440		
965	-1.1830		
993	-.7268	-.5904	-.5460
995		-.3733	-.5215
999		-.6225	.0000
999		-.5249	
999	-.4117		

$$\text{ALPHA} ( 3 ) = 13.220 \quad \text{BETA} ( 2 ) = 10.120$$

NOVA EFFECT ( ) NC11336

	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961	1960	1959	1958	1957	1956	1955	1954	1953	1952	1951	1950	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934	1933	1932	1931	1930	1929	1928	1927	1926	1925	1924	1923	1922	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912	1911	1910	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891	1890	1889	1888	1887	1886	1885	1884	1883	1882	1881	1880	1879	1878	1877	1876	1875	1874	1873	1872	1871	1870	1869	1868	1867	1866	1865	1864	1863	1862	1861	1860	1859	1858	1857	1856	1855	1854	1853	1852	1851	1850	1849	1848	1847	1846	1845	1844	1843	1842	1841	1840	1839	1838	1837	1836	1835	1834	1833	1832	1831	1830	1829	1828	1827	1826	1825	1824	1823	1822	1821	1820	1819	1818	1817	1816	1815	1814	1813	1812	1811	1810	1809	1808	1807	1806	1805	1804	1803	1802	1801	1800	1799	1798	1797	1796	1795	1794	1793	1792	1791	1790	1789	1788	1787	1786	1785	1784	1783	1782	1781	1780	1779	1778	1777	1776	1775	1774	1773	1772	1771	1770	1769	1768	1767	1766	1765	1764	1763	1762	1761	1760	1759	1758	1757	1756	1755	1754	1753	1752	1751	1750	1749	1748	1747	1746	1745	1744	1743	1742	1741	1740	1739	1738	1737	1736	1735	1734	1733	1732	1731	1730	1729	1728	1727	1726	1725	1724	1723	1722	1721	1720	1719	1718	1717	1716	1715	1714	1713	1712	1711	1710	1709	1708	1707	1706	1705	1704	1703	1702	1701	1700	1699	1698	1697	1696	1695	1694	1693	1692	1691	1690	1689	1688	1687	1686	1685	1684	1683	1682	1681	1680	1679	1678	1677	1676	1675	1674	1673	1672	1671	1670	1669	1668	1667	1666	1665	1664	1663	1662	1661	1660	1659	1658	1657	1656	1655	1654	1653	1652	1651	1650	1649	1648	1647	1646	1645	1644	1643	1642	1641	1640	1639	1638	1637	1636	1635	1634	1633	1632	1631	1630	1629	1628	1627	1626	1625	1624	1623	1622	1621	1620	1619	1618	1617	1616	1615	1614	1613	1612	1611	1610	1609	1608	1607	1606	1605	1604	1603	1602	1601	1600	1599	1598	1597	1596	1595	1594	1593	1592	1591	1590	1589	1588	1587	1586	1585	1584	1583	1582	1581	1580	1579	1578	1577	1576	1575	1574	1573	1572	1571	1570	1569	1568	1567	1566	1565	1564	1563	1562	1561	1560	1559	1558	1557	1556	1555	1554	1553	1552	1551	1550	1549	1548	1547	1546	1545	1544	1543	1542	1541	1540	1539	1538	1537	1536	1535	1534	1533	1532	1531	1530	1529	1528	1
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0.50	-.6415	-.2957	-.4328	-.1914	-.2440	-.3732	-.3560
0.25				.5231	.2639	.2832	.1685
0.30			.3960				
0.40		-.2030					
0.46		.1795					
0.55	-.3066			.2955	.2036	.2436	.2034
0.60			.2532				
0.65		.2235					
0.74	-.2530	.0311					
0.85				.1392	.2152	.1756	.0845
0.93		.2235					
1.00		.1975					
1.20	.0205						
1.46		.1635					
1.55				.1411	.1162	.1063	-.0230
1.63			.1616				
1.70							
2.20	.2120						

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(RB2L16)

LOWER WING

DATE 13 APR 75

ARC 11-716 0422 01

$$\text{ALPHA} (3) = 10.223 \quad \text{BETA} (2) = 10.120$$

SECTION 11250 WING  
PRECEDENT VARIABLE CP

Y/BW	.2993	.3640	.4273	.5345	.6733	.7800	.8870
X/OW							
.390		.1410					-.0670
.400			.1303	.0790	.0408		
.432							
.437	.1287						
.455				-.0223	-.0663		
.465			-.0212				-.2184
.469							
.470	-.0120					-.1608	
.475				-.2176	-.1933		
.480							
.485			-.2226			-.8911	-.7185
.490				-.7333	-.9025		
.495			-.3542				
.500							
.514	-.3583						
.520				-.5862	-.7170	-.6193	
.525			-.6175				
.530							-.6233
.535	-.1120						
.540	-.6199			-.6264			
.545			-.6273		-.5789		
.550				-.6138		.0000	
.555			-.6263				
.560	-.5723						



(082001) ( 08 NOV 73 )

UPPER WING

PARAMETRIC DATA

BETA = .000 ELEVON = .000  
RUDDER = .000 SPOON = .000

TABULATED PRESSURE DATA - 0A22A

ARC11-716 0A22 CA

REFERENCE DATA

REF = 2.4210 30-FT. WARP = 29.5000 INCHES  
LREF = 30.7090 INCHES WARP = .0000 INCHES  
BREF = 30.7090 INCHES WARP = .0000 INCHES  
SCALE = .0000 SCALE

MACH ( 1 ) = .597 ALPHA ( 1 ) = -14.400

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

W/CM .2990 .3640 .4270 .5340 .6750 .7800 .8870

W/CM -.9450 -1.0180 -1.1490 -1.2400 -1.1370 -1.2320 -.8470

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(REPROD.)

UPPER WING

DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

ARC11-716 0422 01

MACH (1) = .597 ALPHA (1) = -14.400

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

X/CW .2990 .3640 .4270 .5340 .6730 .7830 .8870

Y/CW  
.950  
.953  
.965 .0292  
.0078  
.0464  
-.0619

MACH (1) = .598 ALPHA (2) = -9.840

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

X/CW .2990 .3640 .4270 .5340 .6730 .7830 .8870

Y/CW  
.300  
.323  
.329  
.342  
.345  
.350  
.363  
.385  
.386  
.394  
.393  
.363  
.377  
.393  
.375  
.378  
.392

-.4374  
-.7149  
-.7394  
-.7360  
-.6822  
-.6522  
-.5413  
-.4789  
-.4577  
-.3790  
-.1375  
.3961  
.4959  
.4574  
.4197  
.3496  
.2965  
.3949  
.1825  
.1667  
.1456  
.1403  
.0792  
.2003  
.3303  
.0575  
-.0124  
-.0432  
-.0694  
-.1213  
.0575  
.0658  
-.0748  
-.1201  
-.1772  
-.0344  
-.0706  
-.1097  
.0000  
-.1680  
-.1290  
.0000  
-.0406  
.0467  
.0022  
-.0615  
.0607  
.0477  
.0638  
.0589  
.0605  
.0317  
.0342  
.024  
.025





DATE 09 APR 75 TABULATED PRESSURE DATA - CM22A

(RB2U01)

UPPER WING

ARC11-716 CM22 01

MACH ( 1 ) = .596 ALPHA ( 3 ) = -4.650

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
	.775				.0555	.0547		
	.808			.0570				
	.834	-.0145			.0639	.0867	.0996	
	.850			.0496				
	.857							
	.865	.0372			.0828			.0889
	.903	.0465		.0591	.1105			
	.905			.0834			.1103	
	.923			.0537				
	.953							
	.965	.0147						

MACH ( 1 ) = .597 ALPHA ( 4 ) = .080

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
	.000	.0374	.0673	.2910	.3794	.3431	.2969	.3553
	.020			.1731	.2072	.1398	.1259	.0946
	.025		.1295					
	.040			.0792				
	.045				.0478	.0924	.1208	.1842
	.050	-.0105			-.2053			
	.080			-.0765				
	.085		.1366					
	.086							
	.094	-.0040			-.3703	-.4132	-.4245	-.4068
	.150		.0000					
	.163			-.2606				
	.177		-.0624					
	.193							
	.229	.0470			-.4246	-.4820	-.5305	-.5452
	.250							
	.274			-.3140				
	.339		-.2805					
	.362	-.0452			-.3092	-.3651		-.3816
	.400							
	.402			-.3098				
	.437	.0000			-.1841	-.2252		
	.553							-.2075
	.555							
	.610							-.1553
	.650							



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(N82U01)

UPPER WING

ARC11-716 0A22 01

MACH ( 1 ) = .397 ALPHA ( 4 ) = .080

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.700	-.0693				.0030	
.725			-.0651			.0090
.750					.0403	
.760		-.0709				
.775			.0462	.0428		
.800			.0433			
.834	-.0236					
.850			.0638	.0848	.0993	
.857			.0465			
.865	.0443					.1094
.900	.0372		.0858	.1140		
.905			.0586			
.950			.0933			.1209
.953			.0583			
.965	.0167					

MACH ( 1 ) = .596 ALPHA ( 5 ) = 5.090

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.1937	-.1934	.1521	.3869	.3435	.2377	.2328
.020				-.3761	-.5019	-.6285	-.7519
.025			-.2451				
.040		-.0586					
.045			-.3473				
.050	-.1441			-.5960	-.7191	-.8162	-.9140
.080					-.7147		
.085			-.4826				
.086		-.0738					
.094	-.1055						
.150				-.7409	-.8230	-.8730	-.8289
.163		.0020					
.177			-.5603				
.193		-.3193					
.229	-.0495						
.250				-.6609	-.7656	-.8450	-.8667
.274			-.5237				
.339		-.4645					
.362	-.2129						
.400				-.4088	-.4839		-.4991
.402							
.497	.0000		-.4060				

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(R82001)

UPPER WING

TABULATED PRESSURE DATA - Q422A

ARC11-716 Q422 01

MACH ( 1 ) = .596 ALPHA ( 5 ) = 5.090

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.590				-.2154	-.2664		
.565			.0000				-.2795
.600							
.650							
.700	-.1320			-.0595	.0000	-.1732	
.725							
.750							
.760							
.775							
.808							
.834	-.0319						
.850							
.857							
.875	.0428						
.900	.0350						
.905							
.950							
.953							
.965	.0356						

MACH ( 1 ) = .598 ALPHA ( 6 ) = 10.100

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.590	-.6475	-.7941	-.4537	-.1446	-.3008	-.5381	-.6364
.620							
.625							
.640							
.645							
.650	-.3472						
.680							
.685							
.686							
.694	-.3752						
.750							
.763							
.777							
.793							
.829	-.4334						
.850							
.874							
.939							



(R02U01)

UPPER WING

DATE 29 APR 75 TABULATED PRESSURE DATA - 0A22A

ARC11-716 0A22 01

MACH ( 1 ) = .596 ALPHA ( 6 ) = 10.100

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.362	-.3935			-.4437	-.5574		-.7002
.400							
.432				-.5306			
.497	.0000						
.550				-.2669	-.2644		
.565				.0200			
.600							-.3901
.650						-.1944	
.700	-.1409				.0300		
.725				-.1459			
.750				-.1258			-.1490
.760				-.0885	.0190		
.775				-.0031			
.806							
.834	-.0316			.0133	.0584	.0429	
.850				-.0732			
.857							
.865	.0456			.0704			-.0064
.900	.0522			-.0433	.1069		
.905				.1046		.0834	
.930				-.0161			
.953							
.955	.0366						

MACH ( 1 ) = .599 ALPHA ( 7 ) = 14.590

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-1.1030	-.7593	-1.0210	-.8047	-1.0530	-1.2900	-1.1270
.020				-2.2270	-2.6190	-2.0260	-.9641
.025				-.8706			
.040		-.6034					
.045			-.8971				
.050	-.5537			-1.7920	-2.6340	-1.7830	-.9757
.060				-1.7510			
.085				-.9390			
.086		-.6539					
.094	-.6215						
.130				-1.1750	-1.3800	-1.5230	-1.0260
.150		.0000					
.170				-.9329			
.177							
.193		-.9612					

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DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

(R82J01)

UPPER WING

MACH ( 1 ) = .599 ALPHA ( 7 ) = 14.590

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.229	-.6790					
.250						
.274						
.339						
.362						
.400						
.492						
.497						
.550						
.565						
.600						
.650						
.707						
.725						
.750						
.760						
.775						
.808						
.834						
.852						
.897						
.865						
.900						
.905						
.950						
.955						
.965						

MACH ( 2 ) = .902 ALPHA ( 1 ) = -14.570

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.300	-.6043	-.5237	-.4144	-.2381	-.3688	-.4741	-.4235
.320							
.325							
.340							
.345							
.350							
.360							
.365							
.386							
.394							





DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

(R82001)

UPPER WING

MACH ( 2 ) = .902 ALPHA ( 1 ) = -14.570  
ARC11-716 0422 01

SECTION ( 1 ) UPPER WING		DEPENDENT VARIABLE CP			
Y/BW	X/CW	.2990	.3640	.4270	.5340 .6730 .7800 .8870
.150	.0000				.3708 .3397 .3104 .1934
.163	.0000				
.177	.4165				
.193	.4691				
.229	.3033				
.250					
.274					
.339	.2680				
.362	.4133				
.400					
.402					
.497	.0000				
.550					
.565					
.600					
.650					
.700	.1109				
.725					
.750					
.760					
.775					
.808					
.834	-.0135				
.850					
.857					
.865	.1093				
.900	.0769				
.905					
.950					
.953					
.955	-.0276				

MACH ( 2 ) = .899 ALPHA ( 2 ) = -9.730

SECTION ( 1 ) UPPER WING		DEPENDENT VARIABLE CP			
Y/BW	X/CW	.2990	.3640	.4270	.5340 .6730 .7800 .8870
.000	-.2081				
.020					
.025					
.040	.0361				
.045					
.050					



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(082UD01)

UPPER WING

ARC11-716 0A22 01

MACH ( 2 ) = .901 ALPHA ( 3 ) = -5.010

SECTION ( 1 ) UPPER WING DEFENDENT VARIABLE CP

X/C	Y/C	.2990	.3640	.4270	.5340	.6730	.7800	.8870
.000	-.0301	-.1058	.1246	.2241	.1351	.0220	.0668	
.020			.4137	.5320	.4271	.4184	.3559	
.040		.1515						
.060			.3771					
.080	.0600			.3345	.2840	.2498	.1655	
.100			.2684	.1786				
.120	.0716							
.140		.0000		-.0512	-.0797	-.0911	-.1713	
.160		.0335						
.180	.2071							
.200	.1526							
.220				-.2027				
.240					-.2587	-.4008		
.260				.0000				
.280								
.300								
.320								
.340								
.360								
.380								
.400								
.420								
.440								
.460								
.480								
.500								
.520								
.540								
.560								
.580								
.600								
.620								
.640								
.660								
.680								
.700								
.720								
.740								
.760								
.780								
.800								
.820								
.840								
.860								
.880								
.900								
.920								
.940								
.960								
.980								
.995								

TABULATED PRESSURE DATA - QAZZA

(R82001)

UPPER WING

DATE 28 APR 75		TABULATED PRESSURE DATA - QAZZA		ARC11-716 QAZZ 01		ALPHA ( 4 ) = .080		DEPENDENT VARIABLE CP	
NACA ( 2 ) = .002		SECTION ( 1 ) UPPER WING		X/CW		Y/CW		UPPER WING	
.2990	.3640	.4270	.5340	.6730	.7800	.8870			
.0200	.1036	.3629	.4543	.3834	.3210	.3562			
.020	.025	.2383	.2754	.1933	.1710	.1263			
.040	.1720	.1438							
.045			.0160	-.0360	-.0756	-.1684			
.050			-.1660						
.085		-.0068							
.086	.1868								
.034	.3149								
.153			-.3787	-.4123	-.4241	-.4784			
.163	.0000								
.177	.0374	-.2429							
.193									
.229	.0841								
.253			-.5037	-.6036	-.6631	-.7251			
.274		-.3364							
.323	-.3214								
.362									
.400			-.4344	-.5735		-.9294			
.437		-.4335							
.497	.0000								
.555			-.3389	-.5039					
.600		.0000							
.643									
.693	-.1423								
.735			-.1276						
.750									
.775									
.808		-.1437	.0777	.1099					
.824		.0439							
.857	-.1678								
.890			.0743	.1191	.1542				
.937		.0415							
.955	-.0277								
.990	.0111		.0789						
.995									
.995			.0411	.0863					
.995			.0514						
.995			.0164						
.995	-.0037								



(RB2U01)

UPPER WING

DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

ARC11-716 0422 01

MACH (2) = .903 ALPHA (3) = 5.070

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

1/8W .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.2000	-.1477	.2627	.4882	.4455	.3700	.3569
.020				-.1396	-.2010	-.3303	-.4432
.025			-.0832				
.040		.0100					
.045			-.1914				
.050	-.1256			-.3462	-.4891	-.5695	-.6988
.060				-.5722			
.085			-.3555				
.086		.0216					
.094	-.0824						
.150		.0000		-.7548	-.8602	-.8605	-.9031
.163			-.5106				
.177							
.193		-.2022					
.229	.0156			-.8028	-.9667	-1.0430	-1.0450
.250			-.6206				
.274							
.339		-.5465					
.362	-.1003			-.8709	-1.0510		-.7186
.403			-.7559				
.432				-.3921	-.4553		
.497	.0000		.0000				
.503							
.565							
.603							
.650						-.4841	-.5896
.703	-.2409			-.1326	.0000		
.725						-.3134	-.4139
.750			-.1222	.0022	-.0709		
.760							
.775			.0024				
.806							
.834	-.1204			.0312	.0100	-.1758	
.850			.0192				
.857							
.865	.0076						-.2896
.903	.0418			.0437	.0567		
.935			.0353				
.950				.0567		-.0799	
.955			.0259				

(082101)

UPPER WING

DATE 06 APR 75 TABULATED PRESSURE DATA - 0A22A

ARC11-716 0A22 01

MACH (2) = .804 ALPHA (6) = 10.140

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2000	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.6458	-.4758	-.1519	.2223	.1778	.0692	.0287
.020				-.7458	-.6940	-.8675	-1.0050
.040				-.4680			
.060				-.1636			
.080				-.5276			
.100	-.3401			-.8358	-.9453	-1.0410	-.9770
.120				-.9333			
.140				-.5914			
.160				-.1972			
.180	-.3485						
.200				-1.1300	-1.2050	-.995.	-.8201
.220				.0000			
.240				-.6818			
.260				-.4306			
.280	-.3757						
.300				-1.0320	-1.1580	-.8303	-.6926
.320				-.7481			
.340				-.6836			
.360	-.2137						
.380				-.9257	-.7633	-.7695	-.6087
.400							
.420	.0000			-.5201	-.6959		
.440				.0000			
.460							
.480							
.500							
.520	-.2727						
.540				-.3939			
.560							
.580							
.600							
.620							
.640							
.660							
.680							
.700							
.720							
.740							
.760							
.780							
.800							
.820							
.840							
.860							
.880							
.900							
.920							
.940							
.960							
.980							
1.000							



(082001)

DATE 29 APR 75 TABULATED PRESSURE DATA - 0422A

UPPER WING

ARC11-716 0422 D1

MACH (2) = .903 ALPHA (7) = 14.620

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4275	.5345	.6755	.7655	.8675
X/CM							
.000	-.6429	-.3769	-.3416	-.0901	-.1343	-.2687	-.2931
.020				-1.1660	-1.0650	-.9940	-.7163
.025			-.5587				
.040		-.3271					
.045			-.6058				
.050	-.6429		-1.2720	-1.0480	-.9080	-.6868	
.060			-1.3370				
.065			-.6782				
.066		-.3305					
.084	-.6715			-1.0870	-.8001	-.6594	-.6789
.150		.0000					
.163			-.7866				
.177		-.4894					
.193							
.229	-.6701			-.6633	-.6428	-.7894	-.6817
.250							
.274			-.8586				
.338	-.6079						
.362	-.4496						
.400			-.8056				
.432				-.8056	-.7875		-.6897
.497	.0000						
.550				-.7907	-.7553		
.565							
.600							
.650							
.700	-.3336						
.725				-.6101	.0000		
.750							
.760				-.5227	-.7005	-.6865	
.775							
.836				-.6727			
.836	-.4569						
.850							
.857				-.5381	-.6582	-.6811	
.865	-.4667						
.900	-.4393			-.4702			-.8484
.905				-.5290	-.6147		
.910				-.4181		-.6449	
.915				-.3394			
.955	-.1975						

ARC11-716 0422 01

UPPER WING

(882003) ( Use ROW 73 )

## REFERENCE DATA

REF : 2.4210 36.171, YMRP = 29.5400 INCHES  
 REF : 36.7090 INCHES YMRP = .0033 INCHES  
 REF : 36.7090 INCHES ZMRP = .0033 INCHES  
 SCALE = .0300 SCALE

WACH ( 1 ) = .590 ALPHA ( 1 ) = -14.440

SECTION : 1) UPPER WING DEPENDENT VARIABLE OF

Y/CM .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CM

.200	-1.0300	-1.0700	-1.2190	-1.3660	-1.2040	-1.6560	-1.2110
.320				.4614	.5849	.5384	.2190
.425			.1917				
.540		.13717					
.645			.3671				
.750	-1.0684		.5945	.5434	.4903	.4098	
.860			.5647				
.965			.5077				
1.066		.1198					
1.164	.0442			.4117	.4087	.4064	.3193
1.260		.0330	.4209				
1.355		.4421					
1.449	.2464			.2635	.2700	.2613	.1913
1.543			.1335				
1.637	.3847	.2836		.2581	.2075		.1503
1.730			.2052				
1.824	.0300			.2653	.2642		
1.918			.0900				.2794
2.012	.2953			.4779	.0000	.3619	
2.106			.5036			.7452	.5205
2.200				.8074	.7307		
2.294		.7456					
2.388	.3179			.4329	.4432	.3994	
2.482			.5185				
2.576	.7475						
2.670		.5552		.3627			.2238
2.764			.5746		.1762		





(R82U05)

DATE 09 APR 75 TABULATED PRESSURE DATA - Q422A

ARC11-716 Q422 01

UPPER WING

MACH ( 1 ) = .590 ALPHA ( 1 ) = -14.440

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

V/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.950 .2167 .1349  
.933 .2195  
.965 .2214

MACH ( 1 ) = .590 ALPHA ( 2 ) = -9.980

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CF

V/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000 -.4724 -.9236 -.7955 -.8731 -.9462 -1.0340 -.9680  
.020 .5404 .4642 .4364 .3371  
.025 .3036  
.040 -.1714 .4179  
.045 .5378 .5044 .4789 .4555  
.050 -.0058 .4525  
.080 .4206  
.085 .1863  
.086 .0347 .2592 .2745 .2811 .2187  
.094 .0020 .2776  
.150 .3429  
.163 .1635  
.177 .1546  
.193 .2746  
.229 .1124 .1081 .0766  
.250 .1002  
.274 .2037 .2049  
.339 .0500 .2475  
.362 .3322  
.400 .4533  
.402 .4804  
.497 .7366 .7073  
.550 .7024  
.565 .4810  
.600 .4648 .4371 .3873  
.650 .7334 .5171  
.700  
.725  
.750  
.760  
.775  
.808  
.834  
.850



ARC11-716 0A22 01

UPPER WING

(R82003)

MACH ( 1 ) = .598 ALPHA ( 2 ) = -9.900

## SECTION ( 1 ) UPPER WING

## DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.4875

.857

.865 .7371

.900 .5249

.905 .905

.953 .953

.955 .1999

.965 .1999

MACH ( 1 ) = .596 ALPHA ( 3 ) = -4.870

## SECTION ( 1 ) UPPER WING

## DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.4875

.857

.865 .7371

.900 .5249

.905 .905

.953 .953

.955 .1999

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DATE 03 APR 73 TABULATED PRESSURE DATA - 0422A

(RB2U03)

UPPER WING

MACH ( 1 ) = .596 ALPHA ( 3 ) = -4.070

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
.775					.6608	.6705		
.808				.6355				
.834		.4380						
.850					.4519	.4156	.3740	
.857				.4529				
.865		.5929						.1960
.900		.4956			.3077	.1518		
.905				.3048			.1209	
.950					.1484			
.953				.1396				
.965		.1705						

MACH ( 1 ) = .596 ALPHA ( 4 ) = -.010

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
.000		.0097	.0648	.2752	.3252	.2507	.1631	.2004
.020					.2903	.2597	.2741	.2715
.025				.2306				
.040			.1437					
.045				.1356				
.050		.0050			.0530	.0475	.0557	.0414
.060					-.0948			
.085				.0030				
.086			.1658					
.094		.0064						
.130					-.2488	-.2400	-.2093	-.1830
.163			.0000					
.177				-.1602				
.193			-.0092					
.229		.0648						
.250					-.2665	-.2753	-.2855	-.2910
.274				-.1871				
.339			-.1749					
.362		.0048						
.400					-.1054	-.1237		-.1069
.402				-.1336				
.497		.0000			.0949	.0931		
.553								
.565				.0000				
.602								.2032
.650								.2799

(RB2U03)

UPPER WING

## DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

ARC11-716 0A22 01

MACH ( 1 ) = .598 ALPHA ( 4 ) = -.010

SECTION ( 1 ) UPPER WING

DEPENDENT VARIABLE CP

Y/BW .2990 .3840 .4270 .5340 .6730 .7800 .8870

X/CW

.700	.1394		.0000			
.725		.3841		.6922	.4973	
.750						
.760	.3867					
.775		.5379	.6077			
.808	.5575					
.834	.3742		.4361	.4025	.3547	
.853		.4489				
.857						
.865	.4314		.2926			.2006
.930	.4559					
.905		.3014	.1323			
.950			.1288	.1144		
.953	.1289					
.955	.1674					

MACH ( 1 ) = .596 ALPHA ( 5 ) = 5.000

SECTION ( 1 ) UPPER WING

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.1649	-.1433	.2159	.4307	.4122	.3686	.3834
.020				-.2290	-.3000	-.3219	-.3490
.025		-.1425					
.040		-.0167					
.045			-.2510				
.050	-.1247			-.4419	-.4937	-.5154	-.5490
.080				-.5506			
.085		-.3786					
.086		-.0254					
.094	-.0898						
.150				-.5678	-.5941	-.5886	-.5384
.163		.0000					
.177			-.4232				
.193		-.2436					
.229	-.0233						
.230				-.4841	-.5176	-.5488	-.5504
.274		-.3818					
.339		-.3457					
.352	-.1588						
.400				-.2039	-.2229		-.2239
.432		-.2253					
.437	.0000						



(032003)

UPPER WING

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

ARC11-716 0A22 01

MACH ( 1 ) = .596 ALPHA ( 5 ) = 5.000

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.550 .0672 .0590  
 .565 .0000  
 .600 .2570 .1685  
 .650 .0000  
 .700 .0718 .2829 .6244 .4910  
 .725  
 .750 .3235 .3050 .5460  
 .760 .4264  
 .775  
 .808 .3729 .3356 .3741 .3403  
 .834  
 .850 .4075  
 .857  
 .865 .7493  
 .900 .4705 .2439 .1284 .1937  
 .935 .2958 .0975 .1011  
 .950 .1371  
 .953  
 .965 .1844

MACH ( 1 ) = .596 ALPHA ( 6 ) = 9.970

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000 .0000 .0000 .0000 .0000 .0000 .0000  
 .020 .6202 .7148 .3384 .0062 .1064 .2490 .3045  
 .025 .025 .7171 .0470 .1247 .1442 .1662  
 .040 .2232 .7327 .1050 .1284 .1394 .1472  
 .045 .3166 .1132  
 .050 .7693  
 .065 .2510  
 .066 .3341  
 .084 .0000 .9202 .1054 .1063 .9243  
 .103 .177 .6798  
 .105 .4888  
 .153 .3792 .6546 .7342 .7888 .8055  
 .174 .5402  
 .223 .4971

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(R02005)

UPPER WING

MACH ( 1 ) = .596 ALPHA ( 6 ) = 9.970  
ARC11-716 0A22 01

SECTION ( 1 ) UPPER WING	DEPENDENT VARIABLE CP
X/CW	
.362	-.3152
.400	-.2370
.432	-.3425
.437	.0000
.550	.0744
.565	.0000
.600	
.650	.0874
.700	.1816
.725	.0000
.750	.2522
.760	.2399
.775	.3617
.800	
.834	.3336
.850	.5504
.857	.2796
.865	.5051
.877	
.895	.3157
.900	.5556
.930	.3155
.935	.2937
.945	
.950	.2800
.955	.1166
.960	.1371
.965	.0860
.970	
.975	.0477
.985	
.995	.1395

MACH ( 1 ) = .596 ALPHA ( 7 ) = 14.640

SECTION ( 1 ) UPPER WING	DEPENDENT VARIABLE CP
X/CW	
.362	-.9187
.400	-.6906
.432	-.8895
.437	-1.1130
.550	-2.4290
.565	-2.5160
.600	-1.1390
.650	
.700	.427
.725	
.750	-.8395
.760	-1.7020
.775	-2.3270
.800	-2.2060
.834	-1.1000
.850	-1.5240
.857	
.865	-.8716
.877	
.895	-.6415
.900	-1.0310
.930	-1.1810
.935	-1.2350
.945	-1.3810
.950	
.955	.0000
.960	-.8524
.965	
.970	-.8542



DATE 08 APR 75 TABULATED PRESSURE DATA - 0A22A

(RB2UD3)

UPPER WING

ARC11-716 0A22 01

MACH ( 1 ) = .390 ALPHA ( 7 ) = 14.640

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2993 .3640 .4270 .5340 .6730 .7803 .8870

X/CW

.229 -.6620  
 .250 -.6989 -.7856 -.9283 -.8224  
 .274 -.6661  
 .339 -.9210  
 .362 -.8292  
 .403 -.4114  
 .402  
 .497 .0000  
 .593 -.0753 -.2130  
 .565 .0000  
 .603  
 .550 -.0313  
 .703 .2397 .0000  
 .725  
 .753 .1217  
 .763 .3997 .1678  
 .773 .3301  
 .808 .3392  
 .834 .2562 .1632 .0205  
 .850  
 .857 .1671  
 .865 .6349  
 .903 .5281  
 .905 .1488 .0884  
 .930 .0788  
 .933 .0123  
 .955 -.0036  
 .2509 -.0159

MACH ( 2 ) = .304 ALPHA ( 1 ) = -14.570

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2993 .3640 .4270 .5340 .6730 .7803 .8870

X/CW

.303 -.5866 -.5095 -.4073 -.3132 -.4211 -.5306 -.4714  
 .323 .023  
 .325 .4419  
 .343 -.0514  
 .345 .5525  
 .393 .0782  
 .383 .6886 .6236 .5849 .4922  
 .385 .6214  
 .386 .6037  
 .394 .3136  
 .1612

DATE 09 APR 79 TABULATED PRESSURE DATA - 0A22A

(RB2035)

UPPER WING

MACH ( 2 ) = .904 ALPHA ( 1 ) = -14.570

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.150				.4539	.4402	.4320	.3481
.163	.0000		.4778				
.177							
.193	.5234						
.229	.3324			.3027	.2940	.2858	.2141
.250							
.274			.3491				
.339	.3435						
.362	.4401			.2574	.2497		.1981
.400			.2562				
.432							
.497	.0000			.3338	.3422		
.550			.3000				
.565							.3850
.600						.4838	
.620	.3664			.5963			
.700					.0000		
.725						.8551	.5607
.750			.6218	.8685	.8518		
.760			.8626				
.775				.6276	.5385	.5581	
.806	.6119		.6473				
.834							
.850							
.857							
.865	.8294			.4954			.3927
.900	.8601		.4936	.3393			
.905				.3344		.3310	
.950			.3252				
.953							
.965	.3271						

MACH ( 2 ) = .903 ALPHA ( 2 ) = -10.030

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.150							
.163							
.177							
.193							
.229							
.250							
.274							
.339							
.362							
.400							
.432							
.497							
.550							
.565							
.600							
.620							
.700							
.725							
.750							
.760							
.775							
.806							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							





(R82UD3)

UPPER WING

TABULATED PRESSURE DATA - Q422A

DATE 09 APR 75

ARC11-716 Q422 G1

MACH ( 2 ) = .903 ALPHA ( 2 ) = -10.030

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

X/OW .2990 .3640 .4270 .5340 .6730 .7600 .8870

X/CW

.080			.4787			
.085		.4972				
.086	.3084					
.094	.1231		.2772	.2781	.2806	.2144
.130		.0000				
.163		.3213				
.177	.4022					
.193						
.229	.2535		.1410	.1293	.1174	.0647
.230		.2005				
.274		.1999				
.339	.3326		.1435	.1241		.0976
.362		.1329				
.400	.0300		.2681	.2735		
.432		.0000			.4466	
.497				.0000		
.550			.5640		.8125	.6700
.565	.2952					
.600		.3795	.7655	.6080		
.650		.7996				
.720			.6048	.5847	.3466	
.725		.5377				
.753			.6059			
.760	.7258					.3823
.775	.6017		.4708	.3223		
.808		.4571	.3092	.3183		
.834		.2877				
.850						
.857						
.855						
.923						
.935						
.930						
.953	.2887					
.955						



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(RBEUDS)

UPPER WING

ARC11-716 0A22 01

MACH ( 2 ) = .901 ALPHA ( 4 ) = .000

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
1/CX							
.000	.0270	.1095	.3687	.4903	.3768	.3150	.3432
.020				.3136	.2438	.2484	.2162
.025			.2690				
.040		.1893					
.045			.1796				
.050	.0167			.0642	.0394	.0160	-.0493
.060				-.1106			
.065			.0263				
.086		.2065					
.094	.0262						
.150				-.3012	-.3174	-.3130	-.3261
.163		.0200					
.177			-.1878				
.193		.0343					
.229	.1008			-.3896	-.4049	-.4463	-.4318
.250							
.274			-.2495				
.339		-.2253					
.362	.0405						-.0659
.400			-.1372	-.1136	-.1311		
.437							
.500	.0000		.1710	.1984			
.565			.0200				
.600							.3214
.650					.3861		
.700	.1839			.4305	.0200		
.725						.4950	.6231
.750			.4228				
.760				.9244	.5302		
.775			.5205				
.808							
.834	.4331			.5649	.5455	.5081	
.850			.5636				
.857							
.865	.3242						.3301
.900				.4420			
.930	.5502		.4444		.2795		
.935				.2713		.2654	
.950			.2605				
.955							
.965	.2800						

DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

(082005)

UPPER WING

MACH (2) = .902 ALPHA (3) = 5.040

ARC11-716 0422 01

SECTION (1) UPPER WING DEFENDENT VARIABLE CP

X/CW	2990	3640	4270	5340	6750	7800	8870
.000	-.1947	-.1379	.2819	.4961	.4569	.3909	.3769
.020				-.1215	-.1972	-.2917	-.3865
.025				-.0634			
.040		.0314					
.045				-.1714			
.050	-.1290			-.3623	-.4617	-.5567	-.6514
.060				-.5532			
.065				-.3337			
.065		.0380					
.074	-.0764			-.7334	-.8317	-.8200	-.8350
.100		.0000					
.103				-.4920			
.107				-.1875			
.133							
.229	.0233			-.7746	-.9290	-.9195	-.4964
.253							
.274				-.7830			
.339		-.5243					
.362	-.0961			-.2675	-.2820		-.2215
.400				-.2788			
.432							
.437	.0000			.1146	.0886		
.553				.0000			
.565							
.603							
.653							
.703	.0764				.0000		
.725				-.3524			
.750							
.775				.3955	.3911	.3763	
.800				.5106			
.834	-.4706						
.850				.4955	.4287	.3615	.3227
.857							
.865	.8710						
.900	.6141			.3546			.0834
.905				.4029	.1717		
.950				.2060		.1782	
.955				.2429			
.975	.2837						



(R02U031)

UPPER WING

DATE 28 APR 75 TABULATED PRESSURE DATA - OAZZA

ARC11-716 OAZZA O1

MACH (2) = .905 ALPHA (6) = 10.010

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

V/BW	.2390	.3640	.4270	.5340	.6730	.7630	.8870
X/CW							
.000	-.6906	-.4942	-.1292	.2337	.1902	.0637	.0552
.020				-.7193	-.7361	-.8511	-.8859
.040			-.4647				
.060		-.1709					
.080			-.5203				
.100	-.3737			-.8136	-.9246	-1.0230	-.8304
.120				-.9362			
.140			-.5959				
.160		-.1793					
.180	-.3764						
.200				-1.1190	-1.1670	-1.0710	-.6967
.220		.0000					
.240		-.6751					
.260		-.3975					
.280	-.3487						
.300			-1.0440	-1.0140	-.7572	-.5951	
.320		-.7768					
.340		-.6684					
.360	-.1928						
.380			-.5909	-.6841			-.4604
.400		-.9122					
.420			-.3372	-.5055			
.440	.0000		.0000				
.460							-.3713
.480					-.5076		
.500	-.0917			.0000			
.520				.3393			
.540					-.4392	-.3556	
.560		.3163					
.580			.5753	-.2113			
.600		.4572					
.620							
.640	.3606			.4124	.0285	-.3981	
.660		.3113					
.680							
.700	.5900						
.720	.5617			.3134			-.4252
.740			.2511		.2509		
.760				.1731		-.3373	
.780			.0711				
.800							
.820							
.840							
.860							
.880							
.900							
.920							
.940							
.960							
.980							
.990							

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DATE 09 APR 75 TABULATED MEASURE DATA - 04224

(R22003)

UPPER VING

ARC11-716 0422 01

MACH ( 2 ) = .904 ALPHA ( 7 ) = 14.623

SECTION ( 1 ) UPPER VING DEPENDENT VARIABLE CP

V/BW	.2590	.3643	.4270	.5340	.6750	.7800	.8870
K/CW							
.000	-.8337	-.3827	-.3041	-.0766	-.1451	-.2753	-.2741
.020				-1.1450	-1.0920	-.9940	-.6449
.025				-.9381			
.040				-.3236			
.045				-.5541			
.050	-.6743			-1.2550	-1.1010	-.9032	-.6153
.060				-1.3230			
.065				-.6424			
.080				-.3285			
.084	-.6647						
.100				-1.1500	-.8709	-.8660	-.6347
.105				.0000			
.110				-.7706			
.115				-.4736			
.120							
.125	-.8653						
.130				-.8601	-.8542	-.7703	-.6401
.135				-.8601			
.140				-.6223			
.145	-.4508						
.150				-.8501	-.8173		-.6123
.155				-.8746			
.160							
.165				-.7497	-.7657		
.170				.0000			
.175							
.180							
.185							
.190							
.195							
.200							
.205							
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.215							
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.930							
.935							
.940							
.945							
.950							
.955							
.960							
.965							
.970							
.975							
.980							
.985							
.990							
.995							
1.000							



DATE 09 APR 75 TABULATED PRESSURE DATA - C422A

(RB2U09) ( 29 SEP 75 )

UPPER WING

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000  
RUDDER = -10.000 SPDBRK = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES  
LREF = 38.7090 INCHES YMRP = .0000 INCHES  
BREF = 38.7390 INCHES ZMRP = .0000 INCHES  
SCALE = .0300 SCALE

MACH .1) = .597 BETA ( 1 ) = -9.980

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.000	.0459	.0237
.020	.0460	.4260
.025	.4027	.3542
.040	.3487	.3217
.045	.2218	.3217
.045	.2413	.3217
.050	.0939	.0936
.060	.0936	.0201
.065	.0435	.0201
.086	.2538	.0201
.094	.0907	.0201
.150	.0000	.0201
.163	.0204	.0201
.177	.0204	.0201
.193	.1244	.0201
.229	.0168	.0201
.250	.0168	.0201
.274	.0168	.0201
.339	.0168	.0201
.352	.0168	.0201
.400	.0168	.0201
.402	.0168	.0201
.437	.0168	.0201
.553	.0168	.0201
.555	.0168	.0201
.600	.0168	.0201
.650	.0168	.0201
.700	.0168	.0201
.725	.0168	.0201
.750	.0168	.0201
.760	.0168	.0201
.775	.0168	.0201
.808	.0168	.0201
.834	.0168	.0201
.850	.0168	.0201
.857	.0168	.0201
.865	.0168	.0201
.900	.0168	.0201
.935	.0168	.0201

DATE 09 APR 79 TABULATED PRESSURE DATA - 7422A

(R82J09)

UPPER WING

ARC11-716 7422 O1

MACH ( 1 ) = .597 BETA ( 1 ) = -9.980

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.5340	.6730	.7800
.8870		
.930		.1267
.953		.0920
.955		.0679

MACH ( 1 ) = .598 BETA ( 2 ) = -4.980

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.5340	.6730	.7800
.8870		
.930	.0418	.3110
.953	.4098	.3900
.955	.3088	.2439
	.2850	.2317
	.1764	
	.1606	
.0418	.0211	-.0205
	-.1632	
	-.0283	
	.1918	
.0394		-.3456
.150		-.3890
.163	.0900	-.4000
.177		
.193	-.0283	
.229	.0803	
.250		-.3977
.274		-.4797
.339	-.2895	-.5262
.352	-.2543	-.5485
.400		
.402	-.0223	-.2762
.497	.0000	-.3411
.550		-.2593
.565		
.600		-.1386
.650	.0000	-.1993
.700		
.725	-.0125	-.2161
.750		-.1397
.760		-.1094
.775		-.0287
.808	-.0293	.0567
.818	.0805	.0379
.834	.0866	
.850	.0206	.0661
		.0873
		.1003
		.1100





DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

(R82U09)

UPPER WING

ARC11-716 0422 01

MACH ( 1 ) = .598 BETA ( 2 ) = -4.980

SECTION ( 1 ) UPPER WING	DEPENDENT VARIABLE CP
Y/BW .2990 .3840 .4270 .5340 .6730 .7800 .8870	
X/CW	
.857	.0812
.865	.0903
.900	.0788
.935	.1018
.950	.0809
.953	.1230
.965	.1042
	.1217
	.0729
	.0368

MACH ( 1 ) = .597 BETA ( 3 ) = .000

SECTION ( 1 ) UPPER WING	DEPENDENT VARIABLE CP
Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870	
X/CW	
.0000	.0102
.0200	.0680
.0250	.2876
.0400	.3736
.0450	.2150
.0500	.1570
.0600	.1413
.0650	.1079
.0800	.0969
.0850	.0408
.0900	.0847
.0950	.1171
.1000	.1655
.1050	.2915
.1100	.0732
.1150	.1406
.1200	.0041
.1250	.3690
.1300	.4004
.1350	.4103
.1400	.3922
.1450	.0000
.1500	.2548
.1550	.0597
.1600	.0315
.1650	.229
.1700	.274
.1750	.339
.1800	.2720
.1850	.0456
.1900	.362
.1950	.400
.2000	.432
.2050	.497
.2100	.0000
.2150	.1869
.2200	.2240
.2250	.0000
.2300	.1535
.2350	.2126
.2400	.1137
.2450	.0649
.2500	.0439
.2550	.0087
.2600	.0666

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DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

(RB2003)

UPPER WING

ARC11-716 0422 01

MACH ( 1 ) = .597 BETA ( 3 ) = .000

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.775				.0477	.0454		
.808			.0475				
.834	-.0195						
.850				.0608	.0864	.1020	
.857			.0499				
.855	.0447			.0848	.1136		.1077
.900	.0376		.0588				
.905				.0911	.1218		
.950			.0599				
.953							
.965	.0134						

MACH ( 1 ) = .598 BETA ( 4 ) = 4.980

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.0520	.0238	.2554	.3454	.2915	.2470	.2907
.020				.1267	.0554	.0381	-.0031
.025			.1016				
.040		.0916					
.045			.0318				
.050	-.0440			-.1033	-.1526	-.1772	-.2413
.080					-.2444		
.085			-.1160				
.086		.0966					
.094	-.0280						
.150				-.3879	-.4107	-.4356	-.4237
.153		.0000					
.177			-.2716				
.193		-.0836					
.229	.0290						
.250				-.4383	-.4884	-.5284	-.5417
.274			-.3267				
.339		-.2900					
.352	-.0617						
.400				-.3344	-.3856		-.3699
.402			-.3259				
.497	.0000						
.550				-.2208	-.2484		
.555			.0000				
.600							-.2045
.650						-.1637	



DATE 08 APR 75 TABULATED PRESSURE DATA - 0422A

(R82079)

UPPER WING

MACH ( 1 ) = .590 BETA ( 4 ) = 4.980

ARC11-716 0422 01

SECTION ( 1 ) UPPER WING

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.700	-.1203					
.725		-.0924				
.750			.0349			.0109
.760		-.1024				
.775			.0165	.0281		
.806		.0105				
.834	-.0647					
.850		.0401	.0671	.0921		
.857		.0190				
.865	-.0035					
.900	-.0014	.0667				.1122
.905		.0325	.1084			
.930		.0618		.1167		
.933		.0387				
.965	-.0129					

MACH ( 1 ) = .600 BETA ( 5 ) = 9.990

SECTION ( 1 ) UPPER WING

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.700	-.1415	-.0344	.1931	.2955	.2335	.1870	.2334
.720				.0434	-.0304	-.0288	-.0575
.725		.0324					
.740		.0417					
.745			-.0243				
.750	-.0713			-.1462	-.1944	-.2166	-.2601
.760				-.2654			
.765		-.1424					
.766		.0548					
.794	-.0468						
.150		.0000		-.3810	-.4110	-.4062	-.4221
.163							
.177		-.2732					
.193		-.0864					
.229	.0239						
.250				-.4368	-.4661	-.4984	-.5116
.274		-.3278					
.339	-.2927						
.362	-.0620						
.400				-.3531	-.3859		-.3470
.402							
.437	.0000			-.3502			

DATE 08 APR 75 TABULATED PRESSURE DATA - CA22A

(R02UD9)

UPPER WING

MACH ( 1 ) = .600 BETA ( 5 ) = 9.990

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

ARC11-716 CA22 O1

X/CW	Y/5W	.2990	.3640	.4270	.5340	.6730	.7800	.8870
.550					-.2477	-.2594		
.565				.0000				-.1820
.580							-.1672	
.595								
.610								
.625		-.1732				-.1367		
.640								
.655								
.670								
.685								
.700								
.715								
.730								
.745								
.760								
.775								
.790								
.805								
.820								
.835								
.850								
.865								
.880								
.895								
.910								
.925								
.940								
.955								
.970								
.985								
.995								

MACH ( 2 ) = .899 BETA ( 1 ) = -9.950

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

X/CW	Y/5W	.2990	.3640	.4270	.5340	.6730	.7800	.8870
.550								
.565								
.580								
.595								
.610								
.625								
.640								
.655								
.670								
.685								
.700								
.715								
.730								
.745								
.760								
.775								
.790								
.805								
.820								
.835								
.850								
.865								
.880								
.895								
.910								
.925								
.940								
.955								
.970								
.985								
.995								



DATE 08 APR 75 TABULATED PRESSURE DATA - 0A22A

(R82109)

UPPER WING

ARC11-716 0A22 01

MACH ( 2 ) = .899 BETA ( 1 ) = -9.950

SECTION ( 1 ) UPPER WING DEFENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7600	.8870
K/CW							
.362	.0794			-.3322	-.6629		-.9231
.400			-.3442				
.402							
.497	.0000						
.590				-.1336	-.1730		
.565			.0000				
.600							-.1714
.650					-.0269		
.700	.0536				-.1608		
.725				.0122			
.750						.1727	.0960
.760			.0135	.1732	.1600		
.775			.1731				
.808							
.834	.0710			.1471	.1613	.1745	
.850			.1465				
.857							
.865	.1936						.1352
.900	.1643			.1416	.1236		
.905			.1295				
.950				.1022		.1325	
.955			.0891				
.965	.0835						

MACH ( 2 ) = .901 BETA ( 2 ) = -4.970

SECTION ( 1 ) UPPER WING DEFENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7600	.8870
K/CW							
.000	.0381	.1091	.3972	.5033	.4684	.4058	.4462
.020				.3797	.2991	.2781	.2396
.025			.3363				
.040		.2231					
.045			.2303				
.050	.0318			.0928	.0366	.0092	-.0738
.080				-.1175			
.085			.0476				
.086		.2459					
.094	.0510						
.150				-.3748	-.4111	-.3368	-.4238
.155		.0000					
.177			-.2316				
.193		.0449					



DATE 09 APR 75 TABULATED PRESSURE DATA - QAZ2A

(R82009)

UPPER WING

ARC11-716 QAZ2 01

MACH ( 2 ) = .901 BETA ( 2 ) = -4.970

SECTION ( 1 ) UPPER WING DEFENDENT VARIABLE CF

Y/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW

.229	.1171					
.250						
.274						
.339						
.352						
.403						
.437						
.533						
.565						
.653						
.703						
.725						
.750						
.760						
.775						
.808						
.834						
.853						
.857						
.861						
.900						
.915						
.933						
.955						

MACH ( 2 ) = .902 BETA ( 3 ) = .010

SECTION ( 1 ) UPPER WING DEFENDENT VARIABLE CF

Y/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW

.200	.0245	.1030	.5630	.4491	.3819	.3187	.3510
.320				.2897	.2025	.1815	.1466
.325				.2526			
.343				.1772	.1547		
.345					.0290	-.0216	-.0570
.353							-.1413
.383							-.1585
.385							-.0352
.386							.1947
.394							.0190



(082159)

UPPER WING

DATE 08 APR 75 TABULATED PRESSURE DATA - 0422A

ARC11-710 0422 01

MACH ( 2 ) = .902 BETA ( 3 ) = .010

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

r/bw .2990 .3640 .4270 .5340 .6730 .7830 .8870

x/cw .150 .163 .177 .193 .229 .250 .274 .339 .362 .400 .497 .553 .565 .600 .630 .700 .725 .750 .760 .775 .804 .834 .857 .865 .900 .905 .930 .935 .965

.0000 .0091 .0896 .3307 .3079 .0211 .4246 .3329 .5011 .0000 .3959 .1505 .1454 .1420

.1581 .0688 .1123 .0729 .1202 .1521 .0729 .0776 .1021 .0459 .0468 .0140 .0040

.1463 .1463

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(R82009)

TABULATED PRESSURE DATA - QAZZA

UPPER WING

ARC11-716 QAZZ 01

MACH ( 2 ) = .900 BETA ( 4 ) = 4.990

SECTION: ( 1 ) UPPER WING DEPENDENT VARIABLE CP

X/CW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.080						
.085						
.086						
.087						
.088						
.089						
.090						
.091						
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.093						
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(R82UD9)

DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

ARC11-716 0422 01

UPPER WING

MACH (2) = .901 BETA (3) = 9.970

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

X/CM	Y/CM	CP
.020	-.1656	-.0230
.025	.025	.0460
.030	.045	.0315
.035	.060	.085
.040	.075	.1079
.045	.090	.1372
.050	.105	.163
.055	.120	.177
.060	.135	.193
.065	.150	.229
.070	.165	.253
.075	.180	.274
.080	.195	.333
.085	.210	.362
.090	.225	.423
.095	.240	.497
.100	.255	.553
.105	.270	.563
.110	.285	.600
.115	.300	.650
.120	.315	.700
.125	.330	.723
.130	.345	.750
.135	.360	.775
.140	.375	.800
.145	.390	.834
.150	.405	.850
.155	.420	.857
.160	.435	.863
.165	.450	.865
.170	.465	.865
.175	.480	.865
.180	.495	.865
.185	.510	.865
.190	.525	.865
.195	.540	.865
.200	.555	.865
.205	.570	.865
.210	.585	.865
.215	.600	.865
.220	.615	.865
.225	.630	.865
.230	.645	.865
.235	.660	.865
.240	.675	.865
.245	.690	.865
.250	.705	.865
.255	.720	.865
.260	.735	.865
.265	.750	.865
.270	.765	.865
.275	.780	.865
.280	.795	.865
.285	.810	.865
.290	.825	.865
.295	.840	.865
.300	.855	.865
.305	.870	.865
.310	.885	.865
.315	.900	.865
.320	.915	.865
.325	.930	.865
.330	.945	.865
.335	.960	.865
.340	.975	.865
.345	.990	.865
.350	1.005	.865
.355	1.020	.865
.360	1.035	.865
.365	1.050	.865
.370	1.065	.865
.375	1.080	.865
.380	1.095	.865
.385	1.110	.865
.390	1.125	.865
.395	1.140	.865
.400	1.155	.865
.405	1.170	.865
.410	1.185	.865
.415	1.200	.865
.420	1.215	.865
.425	1.230	.865
.430	1.245	.865
.435	1.260	.865
.440	1.275	.865
.445	1.290	.865
.450	1.305	.865
.455	1.320	.865
.460	1.335	.865
.465	1.350	.865
.470	1.365	.865
.475	1.380	.865
.480	1.395	.865
.485	1.410	.865
.490	1.425	.865
.495	1.440	.865
.500	1.455	.865
.505	1.470	.865
.510	1.485	.865
.515	1.500	.865
.520	1.515	.865
.525	1.530	.865
.530	1.545	.865
.535	1.560	.865
.540	1.575	.865
.545	1.590	.865
.550	1.605	.865
.555	1.620	.865
.560	1.635	.865
.565	1.650	.865
.570	1.665	.865
.575	1.680	.865
.580	1.695	.865
.585	1.710	.865
.590	1.725	.865
.595	1.740	.865
.600	1.755	.865
.605	1.770	.865
.610	1.785	.865
.615	1.800	.865
.620	1.815	.865
.625	1.830	.865
.630	1.845	.865
.635	1.860	.865
.640	1.875	.865
.645	1.890	.865
.650	1.905	.865
.655	1.920	.865
.660	1.935	.865
.665	1.950	.865
.670	1.965	.865
.675	1.980	.865
.680	1.995	.865
.685	2.010	.865
.690	2.025	.865
.695	2.040	.865
.700	2.055	.865
.705	2.070	.865
.710	2.085	.865
.715	2.100	.865
.720	2.115	.865
.725	2.130	.865
.730	2.145	.865
.735	2.160	.865
.740	2.175	.865
.745	2.190	.865
.750	2.205	.865
.755	2.220	.865
.760	2.235	.865
.765	2.250	.865
.770	2.265	.865
.775	2.280	.865
.780	2.295	.865
.785	2.310	.865
.790	2.325	.865
.795	2.340	.865
.800	2.355	.865
.805	2.370	.865
.810	2.385	.865
.815	2.400	.865
.820	2.415	.865
.825	2.430	.865
.830	2.445	.865
.835	2.460	.865
.840	2.475	.865
.845	2.490	.865
.850	2.505	.865
.855	2.520	.865
.860	2.535	.865
.865	2.550	.865
.870	2.565	.865
.875	2.580	.865
.880	2.595	.865
.885	2.610	.865
.890	2.625	.865
.895	2.640	.865
.900	2.655	.865
.905	2.670	.865
.910	2.685	.865
.915	2.700	.865
.920	2.715	.865
.925	2.730	.865
.930	2.745	.865
.935	2.760	.865
.940	2.775	.865
.945	2.790	.865
.950	2.805	.865
.955	2.820	.865
.960	2.835	.865
.965	2.850	.865
.970	2.865	.865
.975	2.880	.865
.980	2.895	.865
.985	2.910	.865
.990	2.925	.865
.995	2.940	.865
1.000	2.955	.865

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(R25101)

UPPER WING

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

ARC11-716 0A22 01

MACH (1) = .996 BETA (1) = -9.973

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

1/2 BW .2990 .3640 .4270 .5340 .6730 .7800 .9070

1/2 CW

.990 .1213 .1303  
.953 .0944  
.963 .0706

MACH (1) = .997 BETA (2) = -4.970

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

1/2 BW .2990 .3640 .4270 .5340 .6730 .7800 .9070

1/2 CW

.007 .0443 .0636 .3092 .4066 .3951 .3526 .4204  
.020 .025 .040 .1716 .1619 .0226 -.0116 -.0433 -.1069  
.003 .0401 .0226 -.1607  
.063 .066 .1044  
.034 .0363 .0000  
.163 .177 .193 .229 .293 .274 .339 .362 .403 .432 .497 .523 .563 .623 .653 .703 .723 .753 .793 .834 .853

.3439 .3641 .3922 .3012

.2326

.0271 .3936 .4711 .5273 .5472

.2919

.2400 .2704 .3411 .4161

.2530

.0000 .1359 .1951 .2103

.0030

.0037 .1110 .1326

.0267

.0273 .0602 .0690 .0697 .0698 .0699 .1028 .1127

.0697

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DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

(RB2U10)

UPPER WING

MACH (1) = .396 BETA (3) = .020

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/C							
.775				.0486	.0499		
.808			.0523				
.834	-.0206			.0627	.0904	.1042	
.850			.0496				
.857							
.865	.0454			.0901	.1152		.1153
.900	.0442		.0595	.0964	.1241		
.905							
.930			.0589				
.953							
.965	.0184						

MACH (1) = .597 BETA (4) = 5.020

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/C							
.900	-.0511	.0341	.2607	.3460	.2923	.2505	.2940
.920			.1105	.1278	.0632	.0471	.0116
.925		.0908					
.940			.0270	-.0977	-.1409	-.1675	-.2281
.945	-.0424			-.2407			
.980			-.1075				
.985							
.986		.0977					
.994	-.0242			-.3605	-.4110	-.4258	-.4147
.150		.0000					
.163							
.177							
.193							
.229	.0387			-.4237	-.4803	-.5172	-.5275
.250							
.274			-.3194				
.339		-.2878					
.362	-.0504			-.3258	-.3652		-.3583
.400							
.402				-.3232			
.437	.0000			-.2119	-.2363		
.550							
.565			.0300				-.1994
.600							
.650							-.1541

ORIGINAL FROM  
OF 2004 2004

DATE 19 APR 75 TABULATED PRESSURE DATA - 0422A

(RB2U10)

UPPER WING

MACH ( 1 ) = .597 BETA ( 4 ) = 5.020

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

X/CW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW	.700	-.1125	-.1219	-.0851	.0386	.0161
.725						
.750						
.760						
.775						
.800						
.834						
.850						
.857						
.865						
.900						
.905						
.950						
.955						
.965						

MACH ( 1 ) = .600 BETA ( 5 ) = 9.940

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

X/CW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW	.000	-.1340	-.0346	.1991	.3011	.2432	.1905	.2349
.020					.0480	-.0112	-.0194	-.0546
.025								
.040								
.045								
.050								
.060								
.065								
.080								
.085								
.094								
.100								
.105								
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.985								
.990								
.995								
.1000								



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(082010)

UPPER WING

ARC11-716 0A22 01

MACH ( 1 ) = .600 BETA ( 5 ) = 9.940

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.590				-.2300	-.2452		
.565				.0000			-.1786
.600							
.650							
.700	-.1626					-.1531	
.725				-.0977			
.750							
.760							
.775				-.1105			
.808							
.834	-.0854			-.0102			
.850							
.857				.0089			
.865	-.0256						
.900	-.0164			.0719			.1271
.905				.0230			
.950				.0854			.1343
.955				.0395			
.955	-.0203						

MACH ( 2 ) = .900 BETA ( 1 ) = -9.930

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	.0553	.0728	.4141	.5668	.5545	.4994	.5397
.020				.4649	.4003	.3763	.3389
.025			.4297				
.040		.2699					
.045			.3194				
.050	.1000			.1666	.1166	.0828	-.0001
.080				-.0642			
.085			.1083				
.086		.3089					
.094	.1002						
.150				-.3457	-.3896	-.3659	-.3728
.163							
.177							
.193				-.2021			
.223	.1606						
.250							
.274				-.4982	-.5902	-.6364	-.6554
.339				-.3360			
							-.2786

(R82U10)

UPPER WING

TABULATED PRESSURE DATA - 0422A

ARC11-716 0422 01

DATE 09 APR 75

MACH ( 2 ) = .900 BETA ( 1 ) = -9.930

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.362 .5920 .3071 -.6462 -.9052

.400 .402 -.3496

.497 .0000 -.1099 -.1688

.550 .565 .0000 -.1611

.600 .650 -.0176

.700 .0595 -.1669

.725 .750 .0259 .1814 .1054

.760 .775 .0220 .1889 .1674

.808 .834 .1796

.850 .857 .1581

.865 .890 .1505 .1310 .1411

.905 .930 .1366 .1095 .1391

.950 .955 .0905

.965 .0764

MACH ( 2 ) = .901 BETA ( 2 ) = -4.950

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2390 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000 .0360 .1088 .3359 .5086 .4682 .4064 .4465

.020 .025 .3384 .3745 .2983 .2789 .2361

.040 .2203 .2324 .0935 .0378 .0122 -.0786

.045 .0437 -.1121

.060 .0446

.066 .2446

.084 .0550

.100 .0000 -.3635 -.4129 -.3362 -.4305

.120 .140 -.2321

.140 .155 .0430

.170 .185

.200 .215

.230 .245

.260 .275

.290 .305

.320 .335

.350 .365

.380 .395





DATE 08 APR 75 TABULATED PRESSURE DATA - QAZ2A

(R82010)

UPPER WING

ARC11-716 QAZ2 01

MACH ( 2 ) = .901 BETA ( 2 ) = -4.950

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.229	.1168					
.250						
.274						
.339						
.362	.0424					
.400						
.432						
.497	.0000					
.550						
.565						
.600						
.650						
.700						
.725						
.750						
.775						
.808						
.834						
.850						
.857						
.865						
.920						
.935						
.950						
.953						
.965						

MACH ( 2 ) = .902 BETA ( 3 ) = .000

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	.0275	.1032	.3655	.4512	.3756	.3192	.3496
.020				.2861	.2039	.1854	.1510
.025				.2559			
.040				.1766			
.045				.1601			
.050				.0342	-.0255	-.0581	-.1410
.080					-.1531		
.085					-.0026		
.086					.1955		
.094							

(RBZUID)

UPPER WING

DATE 03 APR 75 TABULATED PRESSURE DATA - OA22A

ARC11-716 OA22 01

MACH ( 2 ) = .902 BETA ( 3 ) = .030

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

X/CW .2990 .3640 .4270 .5340 .6730 .7800 .8870

.190 .0000 .3716 -.4033 -.4169 -.4613

.163 .0000 .2360

.177 .0130

.193 .0825

.229 .4933 .5382 .6559 .7100

.253 .3320

.274 .3080

.333 .0274

.400 .4210 .5743 .9136

.432 .4376

.497 .0000

.520 .3263 .4992

.565 .0000

.600 .4905

.653 .1250

.700 .1472

.725 .1564 .1429

.750 .1107

.775 .0412

.800 .0740 .1212 .1522

.834 .1404

.857 .0444

.880 .0000

.903 .0822 .0964 .1470

.926 .0450

.950 .0525

.973 .1025

.996 .0206

.999 .0056

MACH ( 2 ) = .899 BETA ( 4 ) = 5.000

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

X/CW .2990 .3640 .4270 .5340 .6730 .7800 .8870

.190 .0000 .3716 -.4033 -.4169 -.4613

.163 .0000 .2360

.177 .0130

.193 .0825

.229 .4933 .5382 .6559 .7100

.253 .3320

.274 .3080

.333 .0274

.400 .4210 .5743 .9136

.432 .4376

.497 .0000

.520 .3263 .4992

.565 .0000

.600 .4905

.653 .1250

.700 .1472

.725 .1564 .1429

.750 .1107

.775 .0412

.800 .0740 .1212 .1522

.834 .1404

.857 .0444

.880 .0000

.903 .0822 .0964 .1470

.926 .0450

.950 .0525

.973 .1025

.996 .0206

.999 .0056

DATE 08 APR 75 TABULATED PRESSURE DATA - QAZZA

(RB2U10)

UPPER WING

ARC11-710 QAZZ 01

MACH ( 2 ) = .899 BETA ( 4 ) = 5.000

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

1/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000 -.1875

.005 -.0339

.006 .1478

.034 -.0036

.150 -.3614 -.4048 -.4223 -.4904

.163 .0000

.177 -.2300

.193 -.0113

.229 .0704

.250 -.4610 -.5591 -.6183 -.7264

.274 .274

.339 -.3125

.362 -.2828

.400 -.4049 -.5008 -.8637

.432 -.3936

.497 .0000

.550 -.3740 -.5187

.565 .0000

.600 -.6174

.650 -.2065

.700 -.1936

.725 -.4044

.750 -.3301

.760 -.0288 .0982

.775 -.0137

.808 -.1103

.834 -.2704

.850 .0007

.857 -.0628

.865 -.2154

.890 -.0387

.925 .0325 .0694 .1362

.950 -.0223

.955 .0206 .1015

.993 -.0151

.965 -.0324

DATE 08 APR 75 TABULATED PRESSURE DATA - 0A22A

(R82U10)

UPPER WING

MACH (2) = .901		BETA (3) = 10.010		ARC11-716 0A22 01		DEPENDENT VARIABLE CP	
SECTION (1) UPPER WING							
X/CW							
.000	-.11002	-.00008	.2484	.3453	.2396	.1501	.1819
.020			.1025	.1312	.0483	.0445	-.0080
.040		.0874					
.045			.0362				
.050	-.3438			-.0601	-.1048	-.1274	-.2300
.060				-.1903			
.080			-.0555				
.086		.1074					
.094	-.0153			-.3307	-.3656	-.3982	-.4739
.100		.0000					
.105			-.2089				
.110		-.0377					
.120	.0698			-.4070	-.4973	-.5665	-.6823
.130		-.2555		-.2637			
.140							
.150	.0119			-.3795	-.4886		-.7278
.160			-.3480				
.170	.0000			-.3979	-.5061		
.180			.0200				-.6909
.190	-.2390				-.2362	-.6501	
.200				-.4679		-.1766	-.1143
.210			-.3875				
.220				-.4106	-.2460		
.230			-.3031				
.240	-.3464						
.250				-.1304	-.0944	-.0417	
.260			-.1307				
.270	-.3568			-.0442			.0774
.280	-.2229			-.0686	-.0034		
.290				-.0354		.0143	
.300			-.0346				
.310							
.320	-.0804						



DATE 09 APR 75

(RB2U11) ( 06 NOV 73 )

UPPER WING

### PARAMETRIC DATA

BETA = .000 ELEVON = .000  
RUDDER = .000 SPDRBK = 35.000

## REFERENCE DATA

WATER =	2.4210	30. FT.	WARP =	29.5800	INCHES
CLAY =	36.7000	INCHES	WARP =	.0000	INCHES
GRAVEL =	36.7000	INCHES	WARP =	.0000	INCHES
SCALE =	.0000	SCALE			

MACH ( 1 ) = .595    ALPHA ( 1 ) = -14.375

DEPENDENT VARIABLE CP

ONLY ABANDONED) REJECTS

Y/Y/BW	X/CW	.2993	.3643	.4273	.5343	.6733	.7633	.8873
.000	-.9613	-1.0230	-1.1260	-1.2410	-1.1233	-1.2183	-1.2183	-.8345
.025				.2364	.4683	.4198	.3919	.3276
.045	-.3418							
.065				.3839				
.090	-.0852				.3712	.3232	.4973	.4136
.083					.5487			
.085				.4732				
.094	.0356		.1249					
.133	.133				.3318	.3149	.3033	.2126
.163			.0303					
.177				.3592				
.193			.4039					
.223	.2337				.4493	.1233	.0933	.0205
.253								
.274			.2038	.2034				
.352	.3523							
.403					.0349	-.0393		-.0847
.432				.0339				
.437	.0300				-.0067	-.0304		
.550				.0303				
.565								-.1329
.603								
.653	.0923					-.1033		
.723					.0303			
.753					-.0339			
.773								
.775			-.0334				.0374	.0024
.838			.0828		.0732	.0482		
.853	.0222							
.857			.0384		.0490	.0438	.0303	
.865	.0339							
.933	.0733				.0442			-.0230
.935			.0484		-.0133			



DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

(R02011)

UPPER WING

ARC11-116 J422 D1

MACH ( 1 ) = .597 ALPHA ( 2 ) = -9.790

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

1/54 .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW

.0907

.0837

.0865

.0735

.0599

.035

.055

.065

.0519

.0765

.0570

.0723

.0404

.0111

.0324

.0329

MACH ( 1 ) = .596 ALPHA ( 3 ) = -4.790

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

1/54 .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW

.0907

.0837

.0865

.0735

.0599

.035

.055

.065

.0519

.0765

.0570

.0723

.0404

.0111

.0324

.0329







DATE 28 APR 78

2015-2016

100-11-716 2A22 01

MAC ( 1 ) = .390 ALPHA ( 4 ) = .103

SECTION ( UPPER WING

PERCENT VARIABLE OF

[illegible]

12/CM					
.700	-.0736			.0000	
.725			-.0503		.0107
.750					
.760		-.0704			
.775			.0787	.0446	
.800			.0465		
.825	-.0235				
.850			.0455	.0691	.0350
.875					
.900	.0412				
.925	.0355			.0679	.1120
.950		.0532		.1164	
.975			.0937		.1242
.995	.0125	.0579			

$$\alpha_{\text{CO}}(1) = .597 \quad \alpha_{\text{MA}}(3) = 5.223$$

SECTION 115-08 WING

DEPENDENT VARIABLE OF

[illegible]

200	-1070	-2120	-1530	3634	3360	2639	2274
205				-3329	-5120	-6337	-7546
209			-2533				
213		-3637					
219			-3560				
230	-1402			-5901	-7235	-8030	-9236
233				7123			
240			-4955				
245		-3794					
249	-1346						
253		3020		-7434	-8275	-8753	-9255
259			-3564				
263		-3277					
269	-3470			-6504	-7670	-8409	-9695
273			-5233				
274							
280		-4661					
282	-2106			-4239	-4839		-4960
287							
292			-3300				
299	3223						

DATE 29 APR 75

JOHN WILK (115258)

**SECRET**

MACM (1) = .597 ALPMA (3) = 5.223

SECTION 110000 - MAINTENANCE

	1970	1971	1972	1973	1974	1975
1. Total	86.0	86.0	86.0	86.0	86.0	86.0
2. Government	10.0	10.0	10.0	10.0	10.0	10.0
3. Private	76.0	76.0	76.0	76.0	76.0	76.0
4. Federal Reserve Bank	10.0	10.0	10.0	10.0	10.0	10.0
5. State banks	10.0	10.0	10.0	10.0	10.0	10.0
6. Other banks	10.0	10.0	10.0	10.0	10.0	10.0
7. Nonbank financial institutions	10.0	10.0	10.0	10.0	10.0	10.0
8. Insurance companies	10.0	10.0	10.0	10.0	10.0	10.0
9. Pension funds	10.0	10.0	10.0	10.0	10.0	10.0
10. Mutual funds	10.0	10.0	10.0	10.0	10.0	10.0
11. Other	10.0	10.0	10.0	10.0	10.0	10.0

20

590                    - .2160   - .2726

1999

629 -2749

CSO - 1001

1993 - 1994

125 - .0535

1220 - 0330

55555

SECRET

9627. J296

[illegible]

2165. 0405. 0305. 1505. 1505.

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SECRETARY OF DEFENSE

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2
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(R82U11)

DATE 09 APR 75 TABULATED PRESSURE DATA - QAZ2A

UPPER WING

ARC11-716 QAZ2 01

MACH (1) = .597 ALPHA (6) = 10.260

SECTION (1) UPPER WING DEFENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.362	-.3863			-.4509	-.5636		-.7057
.400			-.5388				
.402							
.497	.0000						
.550			-.2705	-.2720			
.565			.0000				
.600							
.650							-.3916
.700	-.1433			-.1164			
.725				-.1582			
.750			-.1135	-.0952	.0174		-.0450
.775			-.0558				-.1487
.834	-.0428						
.850			-.0457	.0240	.0589	.0395	
.857							
.865	.0384			.0829			-.0063
.900	.0399						
.905			-.0326	.1004			
.950				.1166			.0826
.953			-.0138				
.965	.0310						

MACH (1) = .597 ALPHA (7) = 14.850

SECTION (1) UPPER WING DEFENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-1.1420	-.7170	-1.0250	-.8443	-1.0990	-1.3160	-1.1250
.020				-2.2880	-2.7110	-1.8430	-.9735
.025			-.8751				
.040		-.5941					
.045			-.8995				
.050	-.5613			-1.7950	-2.6570	-1.7200	-.9808
.080				-1.6930			
.085			-.9711				
.086		-.6459					
.094	-.6418						
.150				-1.1470	-1.4090	-1.5340	-1.0580
.163		.0000					
.177			-.9690				
.193		-.9343					

DATE 29 APR 75 TABULATED PRESSURE DATA - 0A22A

(RB2U11)

ARC11-716 0A22 01

MACH ( 1 ) = .597 ALPHA ( 7 ) = 14.853

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6735 .7800 .8870

X/CW

.229	-.7054					
.250						
.274						
.339						
.362						
.403						
.432						
.497						
.550						
.565						
.603						
.650						
.703						
.725						
.750						
.763						
.775						
.808						
.834						
.850						
.857						
.865						
.900						
.905						
.920						
.933						
.965						

MACH ( 2 ) = .902 ALPHA ( 1 ) = -14.470

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6735 .7800 .8870

X/CW

.003	-.5944	-.5192	-.4082	-.2956	-.3669	-.4836	-.3978
.020							
.025							
.040							
.045							
.050							
.060							
.065							
.086							
.034							



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

UPPER WING (RB2011)

ARC11-716 0A22 01

MACH ( 2 ) = .902 ALPHA ( 1 ) = -14.470

SECTION ( 1 ) UPPER WING		DEPENDENT VARIABLE CP	
Y/BW	X/CW		
.2990	.3640	.5340	.6730 .7800 .8870
	.0000	.3805	.3415 .3152 .1998
	.4885	.4193	
.3057			
.250		.1903	.1468 .0963 -.0252
.274	.2675	.2609	
.339			
.362	.4065	.0638	-.0081 -.1826
.400		.0955	
.402	.0000	-.0069	-.0820
.497		.0000	
.550			
.600			
.650	.1166	-.0741	.0000 -.1617
.700			
.725			
.750			
.760			
.775			
.808			
.834	-.0089	.1231	.1029
.850		.0743	.0891 .0597
.857		.0666	
.865	.1136	.0678	
.900	.0844	.0414	.0395 .0697
.905		.0132	.0492
.950			
.955		-.0167	
.965	-.0242		

MACH ( 2 ) = .901 ALPHA ( 2 ) = -9.870

SECTION ( 1 ) UPPER WING		DEPENDENT VARIABLE CP	
Y/BW	X/CW		
.2990	.3640	.5340	.6730 .7800 .8870
.3000	-.2949	-.0317	-.1270 -.2491 -.1955
.320		.6462	.5560 .4237
.325		.4543	
.340	.0439		
.345		.4908	
.352	.0650	.3416	.4722 .4288 .3423



(R82U11)

UPPER WING

DATE 29 APR 75 TABULATED PRESSURE DATA - Q422A

ARC11-716 Q422 Q1

MACH (2) = .902 ALPHA (3) = -4.830

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2890 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.0171	-.0895	.1454	.2393	.1471	.0368	.0798
.020			.5284	.4312	.4181	.3606	
.025		.4138					
.040		.1567					
.045			.3707				
.050	.0616		.3276	.2815	.2901	.1662	
.080			.1718				
.085		.2679					
.086		.2662					
.094	.0713			-.0569	-.0785	-.0890	-.1701
.150		.0030					
.163		.0284					
.177		.1968					
.193	.1523			-.2202	-.2766	-.3401	-.4520
.229							
.250							
.274							
.339							
.362	.1565						
.400							
.402							
.497	.0000						
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865	.0272						
.900	.0270						
.925							
.930							
.933							
.965							

(R02011)

UPPER WING

TABULATED PRESSURE DATA - 0A22A

ARC11-716 0A22 01

MACH ( 2 ) = .900 ALPHA ( 4 ) = .180

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CM							
.000	.0211	.0960	.3647	.4549	.3090	.3280	.3607
.020				.2678	.1825	.1644	.1329
.025			.2378				
.040		.1730					
.045			.1405				
.050	.0020			.0151	-.0435	-.0809	-.1665
.060				-.1750			
.085			-.0159				
.086		.1853					
.094	.0157						
.150				-.3860	-.4185	-.4365	-.4817
.160		.0000					
.177			-.2509				
.195		-.0008					
.229	.0842			-.5092	-.6086	-.6665	-.7222
.250			-.3428				
.274		-.3187					
.339							
.362	.0161			-.4407	-.5784		-.9340
.400			-.4436				
.402							
.437	.0000			-.3331	-.5036		
.550			.0000				
.565							-.5158
.600					-.3644		
.650	-.1398				.0000		
.700				-.1318		.1546	.1462
.725			-.1268	.0705	.1163		
.750			.0429				
.775							
.808							
.834	-.1130			.0759	.1203	.1554	
.850			.0490				
.857							
.865	.0015						.1477
.900	.0245			.0753	.0837		
.905			-.0436				
.930			.0510				.1016
.955		.0218					
.965	.0001						







(R02U11)

UPPER WING

**TABULATED PRESSURE DATA - CA22A**

ARC11-716 0A22 01

DATE 29 APR 73

$$\text{MACM} (2) = .901 \quad \text{ALPHA} (6) = 10.260$$

SECTION ( 1 ) UPPER WING

Y/M	.2990	.3640	.4270	.5340	.6730	.7800	.8870
Y/CW							
.000	-.6867	-.4555	-.1482	.2126	.1610	.0375	.0304
.020				-.7555	-.7552	-.8855	-1.0000
.025			-.4718				
.040		-.2002					
.045			-.5525				
.050	-.4000			-.8537	-.9603	-1.0520	-.9430
.060				-.9622			
.065			-.6000				
.066		-.2094					
.094	-.3991						
.150		.0000		-1.1460	-1.2170	-.9764	-.7671
.160			-.6894				
.170		-.4181					
.195							
.220	-.3906						
.250				-1.0630	-1.1320	-.8494	-.6814
.274			-.7589				
.330		-.6856					
.362	-.2111			-.7165	-.7492		-.6067
.400			-.9400				
.432							
.490	.0000			-.5534	-.6759		-.5874
.550			.0000			-.6434	
.600					.0000		
.650							
.700	-.2405			-.3725			
.725					.0000		
.750			-.2528			-.5870	-.5574
.760				-.3434	-.5377		
.775			-.2381				
.808							
.834	-.2005		-.2062	-.2235	-.4784	-.5524	
.850							
.859							
.865	-.1003			-.1482			-.5235
.900	-.0469		-.1828		-.3662		
.935				-.1026		-.9098	
.950			-.1634				
.955	-.0715						

(R02U11)

DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

ARC11-716 0422 01

UPPER WING

MACH ( 2 ) = .903 ALPHA ( 7 ) = 14.840

SECTION ( 1 ) UPPER WING DEFENDENT VARIABLE CP

V/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
R/CW							
.900	-.0330	-.3799	-.5349	-.0925	-.1655	-.2978	-.2967
.920				-1.1780	-1.1120	-.9968	-.7247
.925			-.5150				
.940		-.3264					
.945			-.5649				
.950	-.6671		-1.2790	-1.0680	-.8991	-.6923	
.960			-1.3320				
.965			-.6677				
.966		-.3283					
.994	-.8651			-1.0540	-.8662	-.6877	-.6832
.150		.0000					
.163			-.7804				
.177		-.4816					
.193							
.229	-.8606			-.8754	-.8606	-.8010	-.6977
.250			-.8671				
.274		-.6243					
.339							
.362	-.4943			-.8214	-.8055		-.6921
.400			-.8304				
.432				-.7639	-.7689		
.497	.2000		.0000				
.550							
.565							
.600							
.630							
.650	-.3545						
.700				-.6022			
.725							
.750							
.760			-.5568				
.775			-.7053	-.6945			
.806			-.7078				
.834	-.4733						
.870				-.5306	-.6617	-.6703	
.897			-.6227				
.905	-.4763						
.920	-.4184			-.4654			-.8430
.935			-.5287	-.6143			
.950			-.3971				
.955			-.4062				
.965	-.1690						







(R02U12)

UPPER WING

DATE 09 APR 73 TABULATED PRESSURE DATA - QAZZA

ARC11-716 QAZZ Q1

MACH ( 1 ) = .596 ALPHA ( 2 ) = -9.830

SECTION ( 1 ) UPPER WING DEFICIENT VARIABLE CP

Y/OW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
K/CW			.0497				
.837							
.865	.0730						.0045
.920	.0556		.0725		.0615		
.935			.0453		.0657		-.0045
.950					.0546		
.955							
.965	-.0010						

MACH ( 1 ) = .597 ALPHA ( 3 ) = -4.820

SECTION ( 1 ) UPPER WING DEFICIENT VARIABLE CP

Y/OW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
K/CW							
.833	-.0687	-.1924	-.0569	-.1301	-.2473	-.3110	-.1257
.820				.4767	.4238	.4307	.3857
.825			.3322				
.840		.0850					
.845			.3115		.2994	.2781	.2697
.850	.0303			.1477			.1945
.860			.1996				
.865		.2569					
.894	.0456						
.890				-.0759	-.0711	-.0729	-.1080
.863		.0300					
.877			-.0020				
.893		.1363					
.823	.1160						
.853				-.2024	-.2391	-.2603	-.2891
.874			-.1197				
.839		-.1011					
.862	.0960						
.833			-.1734		-.1853	-.2394	-.2656
.802							
.897	.0300				-.1285	-.1658	
.850			.0300				
.865							-.1791
.830						-.1328	
.870	-.0202				-.1367		
.825				-.0535			
.890						.0536	.0193
.860							-.0722





DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

UPPER WING (882U12)

MACH ( 1 ) = .598 ALPHA ( 4 ) = .090

SECTION ( 1 ) UPPER WING

ARC11-716 0A22 01

Y/BW	X/CW	DEPENDENT VARIABLE CP
.2990	.3640	.4270 .5340 .6730 .7800 .8870
.700	-.0688	-.1354
.725		-.0685
.750		.0412 .0082
.760		-.0714
.775		.0476 .0427
.808		.0372
.834	-.0314	
.850		.0576 .0798 .0980
.857		.0400
.865	.0348	
.900	.0310	.0797 .1123 .1052
.905		.0469
.950		.0845 .1162
.953		.0457
.955	.0063	

MACH ( 1 ) = .597 ALPHA ( 5 ) = 5.190

SECTION ( 1 ) UPPER WING

Y/BW	X/CW	DEPENDENT VARIABLE CP
.2990	.3640	.4270 .5340 .6730 .7800 .8870
.000	-.1976	-.1553 .3792 .3364 .2646 .2257
.020		-.3800 -.5081 -.6267 -.7422
.025		-.2551
.040	-.0647	
.045		-.3398
.050	-.1503	-.5885 -.7126 -.8022 -.9131
.080		-.7123
.085		-.4800
.086	-.0703	
.094	-.1078	-.7408 -.8262 -.8670 -.8166
.150		.0000
.163		-.3567
.177		-.3132
.193		
.229	-.0472	-.6544 -.7600 -.8383 -.8627
.250		-.5157
.274		-.4559
.339	-.2056	-.4075 -.4802 -.4958
.362		-.3379
.400		
.432		
.497	.0000	





DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(R02U12)

UPPER WING

MACH ( 1 ) = .597 ALPHA ( 5 ) = 5.190

ARC11-716 0A22 01

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW

.550 -.2143 -.2685  
 .565 .0020  
 .600  
 .650  
 .700 -.1296  
 .725  
 .750  
 .760  
 .775  
 .806  
 .834 -.0343  
 .850  
 .857  
 .865 .0420  
 .900 .0490  
 .925  
 .950  
 .953  
 .965 .0196

-.2759  
 -.1770  
 -.1342  
 -.0587  
 .0389 .0377  
 .0122  
 .0276  
 .0771 .1190  
 .0913 .1220  
 .0572 .0827 .0824  
 .0222 -.0346  
 .0815

MACH ( 1 ) = .596 ALPHA ( 6 ) = 10.220

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW

.000 -.6573 -.7987 -.4632 -.1663 -.3151 -.5352 -.6423  
 .020  
 .025  
 .040  
 .045  
 .050  
 .060  
 .065  
 .066  
 .094  
 .150  
 .163  
 .177  
 .193  
 .229  
 .250  
 .274  
 .339

-.2700  
 -.8343  
 -.8652  
 -1.3190 -1.6040 -1.8580 -2.1820  
 -1.3290  
 -.8646  
 -.3072  
 .0000  
 -.7689  
 -.5796  
 -.8185 -.9926 -1.0920 -1.1750  
 -.6886  
 -.6362



DATE 08 APR 75 TABULATED PRESSURE DATA - 0A22A

(R82U12)

UPPER WING

ARC11-716 0A22 01

MACH ( 1 ) = .596 ALPHA ( 6 ) = 10.220

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.362	-.3864					
.400		-.4427	-.5527			-.6989
.402		-.5199				
.497	.0200					
.550		-.2630	-.2669			
.565		.0000				-.3937
.600						
.650						
.700	-.1426			-.1252		-.1922
.725						
.750						
.760						
.775						
.808						
.834	-.0404					
.850						
.857						
.865	.0403					
.900	.0438					.0019
.905						
.950						
.953						
.965	.0243					

MACH ( 1 ) = .596 ALPHA ( 7 ) = 14.730

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-1.1310	-.7445	-1.0140	-.8355	-1.0810	-1.3120	-1.1180
.020				-2.2650	-2.6940	-1.9830	-.9692
.025				-.8695			
.040							
.045							
.050	-.5745			-.8948			
.080				-1.8060	-2.6660	-1.7730	-.9888
.085				-1.6930			
.086				-.9643			
.086				-.6376			
.094	-.6371						
.150							
.163							
.177							
.193							



DATE 09 APR 75 TABULATED PRESSURE DATA - QAZ2A

(N82U12)

UPPER WING

MACH ( 1 ) = .596 ALPHA ( 7 ) = 14.790		ARC11-716 QAZ2 O1	
SECTION ( 1 ) UPPER WING		DEPENDENT VARIABLE CP	
Y/BW	X/CW		
.2900	.3640	.4270	.5340 .6730 .7800 .8870
.229	-.6964		
.250			
.274			
.339			
.362	-.9134		
.400			
.402			
.497	.0000		
.550			
.565			
.600			
.650			
.700	-.2355		
.725			
.750			
.760			
.775			
.806			
.834	-.1196		
.850			
.857			
.865	-.0281		
.900	-.0127		
.925			
.950			
.953			
.965	-.0071		

MACH ( 2 ) = .903 ALPHA ( 1 ) = -14.490		DEPENDENT VARIABLE CP	
SECTION ( 1 ) UPPER WING		DEPENDENT VARIABLE CP	
Y/BW	X/CW		
.2900	.3640	.4270	.5340 .6730 .7800 .8870
.229	-.5861	-.4041	-.2884 -.3638 -.4836 -.4137
.250			.6653 .5549 .5151 .4149
.274			
.339			
.362	-.0623		
.400			
.402			
.497			
.550			
.565			
.600			
.650			
.700			
.725			
.750			
.760			
.775			
.806			
.834			
.850			
.857			
.865			
.900			
.925			
.950			
.953			
.965			

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(RB2U12)

UPPER WING

ARC11-716 0A22 01

MACH ( 2 ) = .903 ALPHA ( 1 ) = -14.490

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.150							
.163		.0000					
.177			.4323				
.193		.4928					
.229	.3095						
.250			.2662				
.274		.2773		.2026	.1531	.1023	-.0142
.339							
.362	.4087						
.400				.0818	.0048		-.1675
.402			.1076				
.497	.0000						
.550				.0151	-.0636		
.565			.0000				
.600							-.2040
.650							
.700	.1320			-.0507	-.1848		
.725							
.750			-.1047			.1210	.0544
.760				.1375	.1097		
.775			.1168				
.808	.0081						
.834				.0891	.0970	.1034	
.850			.0827				
.857							
.865	.1314						.0745
.900	.1014			.0826			
.905			.0548	.0409			
.950				.0248		.0517	
.953			-.0067				
.965	-.0143						

MACH ( 2 ) = .900 ALPHA ( 2 ) = -9.880

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.2909	-.4692	-.1887	-.0309	-.1278	-.2513	-.2018
.020				.6474	.5391	.5068	.4255
.025			.4777				
.040		.0402					
.045			.4917				
.050	.0685			.5464	.4762	.4318	.3404



(R82U12)

UPPER WING

TABULATED PRESSURE DATA - Q122A

ARC11-716 0A22 01

DATE 09 APR 73

$$\text{ALPHA} (2) = -9.880$$

DEPENDENT VARIABLE CAP

1/84	.2993	.3640	.4273	.5340	.6730	.7800	.8870
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[illegible]

(082012)

UPPER WING

MACH (2) = .898 ALPHA (3) = -4.540

ARC11-716 0A22 01

SECTION (1) UPPER WING

DEPENDENT VARIABLE CP

Y/BW	.2980	.3640	.4270	.5340	.6750	.7800	.8870
Z/CW							
.000	-.0190	-.0952	.1348	.2279	.1381	.0284	.0698
.020				.5236	.4316	.4185	.3580
.025			.4064				
.040		.1562					
.045			.3691				
.050	.0807			.3286	.2796	.2502	.1665
.080				.1748			
.085			.2650				
.086		.2665					
.094	.0702			-.0567	-.0810	-.0873	-.1655
.150		.0000					
.163		.0283					
.177		.1984					
.193							
.229	.1340			-.2187	-.2752	-.3340	-.4320
.253			-.1021				
.274		-.0748					
.339	.1590			-.2301	-.3453		-.5826
.362			-.2302				
.400				-.2434	-.3863		
.437	.0000		.0000			-.2612	-.3460
.550					-.1606		
.600				-.1348		.1167	.1028
.650	-.0801						
.700			-.1355	.0809	.0896		
.725				.0569			
.750							
.775			.0318	.0713	.1104	.1364	
.808	-.0916						
.834							
.850							
.857							
.865	.0413			.0798	.1171		.1291
.930	.0388		.0303				
.935			.0643				.1295
.950			.0250				
.953							
.963	-.0037						



(R02U12)

UPPER WING

TABULATED PRESSURE DATA - 04224

ARC11-716 0422 01

MACH ( 2 ) = .902 ALPHA ( 4 ) = .210

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2390	.3640	.4270
.5340	.6730	.7600
.8870		
.000	.0184	.1007
.3709	.4570	.3915
.3297	.2692	.1674
.1618	.2353	
.1276	.1744	
.1471		
.0136	.0431	.0773
.1620	.1776	
.0030		
.1030		
.0116		
.0000		
.2434		
.0022		
.0052		
.3129		
.0141		
.4243	.5687	
.9262		
.4373		
.3295	.4893	
.0000		
.3731		
.1854		
.1523		
.1156		
.1620	.1400	
.1387	.0815	.1174
.0479		
.0311		
.0605	.1259	.1534
.1024		
.0136		
.0064		
.1490		
.0293	.0461	.0858
.1053	.0344	
.0196		
.0049		

(R92012)

UPPER WING

MACH (2) = .900 ALPHA (5) = 5.170

ARC11-716 QAZ2 01

SECTION (1) UPPER WING	DEPENDENT VARIABLE CP		
Y/BW	X/CW		
.2990	.3640	.4270	.5340 .6730 .7800 .8870
.000	-.2186	-.1685	.2656 .4831 .4429 .3672 .3502
.020			-.1603 -.2367 -.3477 -.4471
.025		-.0960	
.040		.0127	
.045		-.2020	
.050	-.1316		-.4008 -.4396 -.5823 -.7026
.060			-.5864
.065		-.3657	
.086		.0152	
.034	-.0845		
.150		.0000	-.7645 -.8716 -.8732 -.9025
.163			
.177		-.5251	
.193		-.2090	
.223	.0123		
.250		-.6308	
.274			-.8074 -.9791 -1.0570 -.9214
.339		-.5484	
.352	-.1122		
.400		-.7611	
.402			-.8694 -1.0360 -.6113
.497	.0000		
.550		-.3149 -.3779	
.565		.0000	
.600			-.5284
.650			-.1653
.700	-.2195		-.1043
.725			
.750		-.1073	
.760			.0377 -.0977
.775		.0206	
.808			
.834	-.0899		.0412 -.0179 -.1814
.850			
.857		.0305	
.865	.0370		
.900	.0539		
.905		.0547	-.1612
.950		.0395	.0492
.955		.0454	-.0588
.955		.0322	
.965	.0184		





(R82U12)

UPPER WING

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

ARC11-716 0A22 01

MACH ( 8 ) = .902 ALPHA ( 6 ) = 10.260

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CM							
.000	-.6933	-.4256	-.1525	.2091	.1646	.0621	.0237
.020				-.7606	-.7476	-.8773	-.9614
.025			-.4693				
.040		-.1942					
.045			-.5194				
.050	-.3976			-.8550	-.9561	-1.0400	-.9559
.060				-.9593			
.065			-.5990				
.086		-.2080					
.094	-.3669			-1.1400	-1.2140	-.9933	-.8039
.150			.0000				
.163			-.6873				
.177		-.4225					
.193							
.229	-.3666			-1.0460	-1.1240	-.9107	-.6859
.250			-.7932				
.274		-.6939					
.339							
.362	-.2149			-.7477	-.7619		-.6117
.400			-.9356				
.432				-.5037	-.6296		
.497	.0000		.0000				-.5731
.550							
.565							
.600							
.650							
.700	-.2299			-.3632	-.2190		
.725							
.750				-.2632		-.3798	-.5362
.760				-.3577	-.5060		
.775				-.2440			
.808							
.834	-.1906						
.850				-.1917	-.4513	-.5247	
.857				-.1806			
.865	-.1020						
.900	-.0701			-.1054			-.5059
.925			-.1781	-.3640			
.950			-.0751				-.4792
.953			-.1576				
.965	-.0777						

(R02U12)

UPPER WING

DATE 09 APR 76 TABULATED PRESSURE DATA - 0422A

ARC11-716 0422 01

MACH ( 8 ) = .900 ALPHA ( 7 ) = 14.840

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

V/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
W/CW							
.000	-.8500	-.3080	-.5415	-.1011	-.1674	-.2969	-.3034
.020			-1.1090	-1.0390	-.9711	-.7239	
.025			-.5261				
.045		-.3341	-.5732				
.050	-.6843		-1.2930	-1.0240	-.8993	-.6750	
.060			-1.3320				
.085			-.6877				
.086		-.3424					
.094	-.6642						
.120			-1.0410	-.8598	-.8584	-.6666	
.163		.0000					
.179		-.7845					
.193		-.4914					
.229	-.6848						
.250			-.8411	-.8357	-.7716	-.6765	
.274		-.8622					
.333		-.8286					
.362	-.4959						
.430			-.7971	-.7775		-.6889	
.432		-.7962					
.497	.0330						
.550		-.7495	-.7602				
.565		.0000					
.600							-.6834
.650				-.7181			
.700	-.3265			-.3052			
.725			-.6092			-.6786	-.6461
.750			-.3529				
.760			-.6937	-.6889			
.775			-.7094				
.800							
.834	-.4364			-.5173	-.5591	-.6660	
.850		-.5824					
.857							
.865	-.4879						
.900	-.3847		-.4761		-.6029		-.6398
.925		-.5322					
.950		-.3968				-.6531	
.953		-.3943					
.965	-.1491						



DATE 08 APR 75 TABULATED PRESSURE DATA - 0422A

(R02U13) ( 03 JAN 74 )

UPPER WING

PARAMETRIC DATA

MACH = .600 ELEVON = .000  
RUDDER = .000 SPOILER = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5000 INCHES  
LREF = 36.7090 INCHES YMRP = .0000 INCHES  
BREF = 36.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0300 SCALE

ALPHA ( 1 ) = -10.000 BETA ( 1 ) = -9.870

SECTION ( 1 ) UPPER WING DEFICIENT VARIABLE OF

V/OM	.2990	.3640	.4270	.5340	.6750	.7800	.8870
.000	-.0299	-1.2210	-.7878	-.8096	-.4403	-.4028	-.1547
.020				.6931	.6596	.6444	.5861
.040			.4503				
.060		-.1209					
.080			.5267				
.100	.0316		.6107	.3783	.5451	.4619	
.120			.4740				
.140		.4974					
.160		.2794					
.180	.1159						
.200		.0900		.2097	.1959	.1774	.1201
.220			.2531				
.240	.2999			.0286	-.0156	-.0629	-.1280
.260		.1082					
.280		.1156					
.300	.3073			-.0197	-.0971		-.1853
.320			.0042				
.340		.0900		-.0120	-.0406		
.360			.0000				
.380							-.1750
.400	.1228				-.1204		
.420				-.0150	.0000		
.440						.0413	-.0108
.460				-.0202	.0076	.0479	
.480			.1082				
.500	.0803			.0504	.0276	.0198	
.520			.3724				
.540	.1316						
.560		.3943		.0448			-.0340
.580			.0614		-.0559		



(H02013)

DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

UPPER WING

ALPHA ( 1 ) = -10.010 BETA ( 2 ) = 10.110

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

V/W	.2990	.3640	.4270	.5340	.6750	.7800	.8870
U/CW							
.837			.0390				
.865	.0441						
.900	.0429			.0851			.0552
.905			.0537	.1105			
.930				.0934	.1117		
.933			.0637				
.965	.0215						

ALPHA ( 2 ) = -.110 BETA ( 1 ) = -9.900

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

V/W	.2990	.3640	.4270	.5340	.6750	.7800	.8870
U/CW							
.900	.0356	.0363	.2924	.4205	.4327	.3952	.4831
.920				.3950	.3402	.3197	.2945
.925		.2162	.3490				
.945			.2447				
.950	.0918			.0944	.0495	.0258	-.0479
.960				-.1167			
.965		.0321					
.966		.2481					
.994	.0809						
.150		.0300		-.3212	-.3618	-.3684	-.3905
.163							
.177		-.2043					
.193		.0204					
.229	.1225						
.250							
.274				-.3728	-.4553	-.5113	-.5906
.339		-.2220					
.362	.0234						
.400				-.2270	-.3188		-.4200
.402				-.2132			
.497	.0200						
.550				-.0936	-.1632		
.565			.0000				
.600							
.635						-.1174	-.2096
.700	.9471				.0200		
.725				.0058			
.750						.0756	.0129
.760			.0045				

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(RB2U13)

UPPER WING

ARC11-716 0A22 01

ALPHA ( 2 ) = -.110 BETA ( 1 ) = -9.980

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.775				.1181	.0902		
.808			.1254				
.834	.0635						
.850				.1143	.1208	.1205	
.857		.1130					
.865	.1433						.1082
.900	.1172		.1270	.1290			
.905		.1068					
.950			.1211			.1275	
.953		.0939					
.965	.0656						

ALPHA ( 2 ) = -.120 BETA ( 2 ) = 10.010

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.900	-.1360	-.0403	.1891	.2957	.2555	.1814	.2235
.920				.0459	-.0386	-.0408	-.0812
.925		.0370					
.940		.0443					
.945			-.0278				
.950	-.0754			-.1562	-.1841	-.2209	-.2830
.980				-.2717			
.985			-.1386				
.986		.0547					
.994	-.0437						
.150				-.3890	-.4189	-.4248	-.4236
.163		.0000					
.177			-.2737				
.193		-.0944					
.229	.0211						
.250				-.4359	-.4846	-.5079	-.5166
.274							
.339		-.2964					
.362	-.0580						
.400				-.3550	-.3931		-.3529
.402			-.3500				
.497	.0000						
.550				-.2446	-.2575		
.565			.0000				-.1959
.600							
.650							-.1639



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TABULATED PRESSURE DATA - 0A22A

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UPPER WING

(R02U13)

ALPHA ( 2 ) = -.120 BETA ( 2 ) = 10.010

SECTION ( 1 ) UPPER WING		DEPENDENT VARIABLE CP	
Y/BW	X/CW		
.2990	.3640	.4270	.5340 .6750 .7800 .8870
.700	-.1697		.0000
.725		-.1193	
.750			.0203 .0169
.760		-.1218	
.775		-.0107	.0137
.808		-.0174	
.834	-.0903		
.850		-.0006	.0244 .0618 .0853
.857			
.865	-.0264		
.900	-.0210	.0564	.1110 .1200
.905		.0180	
.930		.0726	.1175
.953		.0325	
.965	-.0210		

ALPHA ( 3 ) = 10.150 BETA ( 1 ) = -9.860

SECTION ( 1 ) UPPER WING		DEPENDENT VARIABLE CP	
Y/BW	X/CW		
.2990	.3640	.4270	.5340 .6750 .7800 .8870
.000	-.1711	.0455	.2867 .1650 -.0317 -.1441
.020			-.9917 -1.2350 -1.5950 -1.9140
.025		-.6443	
.040		-.2101	
.045		-.7827	
.050	-.1771		-1.1960 -1.4600 -1.7170 -1.8840
.080			-1.3190
.085		-.9306	
.086		-.2443	
.094	-.1297		
.120			-1.1680 -1.3490 -1.4550 -1.2240
.163	.0000		
.177		-.8417	
.193	-.5618		
.229	-.0840		
.250			-.8408 -.9995 -1.1230 -1.2970
.274		-.6589	
.339	-.3644		
.362	-.3340		
.400			-.3978 -.5373 -.7393
.432		-.3503	
.437	.0000		

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(R02U13)

UPPER WING

ARC11-716 0A22 01

ALPHA ( 3 ) = 10.150 BETA ( 1 ) = -9.860

SECTION ( 1 ) UPPER WING DEFENDENT VARIABLE CF

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.550				-.1221	-.2373		
.565				.0000			
.600							-.3968
.650							-.1691
.700					.0282		
.725							
.750							
.750							
.775					.1096	.0763	
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							

ALPHA ( 3 ) = 10.180 BETA ( 2 ) = 10.110

SECTION ( 1 ) UPPER WING DEFENDENT VARIABLE CF

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000							
.020							
.025							
.040							
.045							
.050							
.060							
.065							
.066							
.094							
.150							
.163							
.177							
.193							
.223							
.250							
.274							
.339							





(R82U13)

UPPER WING

DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

ARC11-716 0422 01

ALPHA ( 3 ) = 10.180 BETA ( 2 ) = 10.110

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

X/CU	Y/CU	CP
.362	-.2822	-.5787
.400		-.5051
.402	-.7389	-.5155
.497	.0000	
.550		-.3544
.565	.0000	-.3493
.600		
.650		-.2145
.700	-.2345	.0000
.725		-.1938
.750		-.1414
.760		-.1737
.775		
.808		-.2051
.834		-.1203
.850		-.1281
.857		-.0778
.865		
.900	-.1289	-.1468
.905		.0008
.920	-.0623	-.0428
.925	-.0380	
.930		-.1131
.953		.1096
.965		-.0711
	.0275	.0282
	-.0360	



(RB2U14)

DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

ARC11-716 0422 01

UPPER WING

ALPHA ( 1 ) = -10.160 BETA ( 1 ) = -9.860

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.900 .0244 .0519  
.935 .0209  
.965 .0133

ALPHA ( 1 ) = -10.160 BETA ( 2 ) = 10.070

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000 .0368 -.0398 -.0314 -.0946 -.3216 -.4868 -.4439  
.020 .5418 .3649 .3203 .2229  
.025 .3949  
.040 .1425  
.045 .4097  
.050 .1113 .4609 .3622 .2962 .2019  
.060 .3643  
.085 .3664  
.086 .2687  
.094 .1283  
.150 .0900  
.165 .0000  
.177 .2083  
.193 .2642  
.229 .1676  
.250 .0000  
.274 .0680  
.339 .0347  
.362 .1516  
.400 .0000  
.432 .0913  
.437 .0200  
.550 .0000  
.565 .0000  
.600 .0000  
.650 .0000  
.700 .0000  
.725 .0000  
.750 .0000  
.760 .0000  
.775 .0000  
.834 .0000  
.850 .0000

.1743 .1254 .0882 -.0258

.0030 -.0572 -.1152 -.2310

-.1212 -.2129 -.4260

-.2514 -.3414

-.4935

-.3493

-.1977 -.1600

-.3592

-.1502 -.1616

-.1319

-.0761 -.0436 -.0191



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(R02014)

**UPPER WING**

ARC11-716 0A22 01

$$\text{ALPHA} ( 2 ) = -.160 \quad \text{BETA} ( 1 ) = -9.950$$

SECTION (1) UPPER WING

	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2
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.920	.1637	.1472	.1365
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49

**SECRET**

MD/1

$$\text{ALPHA} (2) = -.100 \quad \text{BETA} (2) = 10.000$$

SECTION 1 UPPER WING

DEPENDENT VARIABLE OF

	1970	1971	1972	1973	1974
.../...	.2880	.3640	.4270	.5340	.6750
...					.7800
...					.8870

10/1

620	.1190	.9411	.0333	-.0153
-----	-------	-------	-------	--------

.343	.0763	.0398
------	-------	-------

.393	- .0432	1979	1980	1981
0.01		- .1954		

0.0001

.190      -.3323    -.3756    -.4102    -.4795

-.177      -.2147

.229 .0629

294  
- 2/63

.362	.0127		
4.03		-.3923	-.4076
			-.7373

764  
608

625.  
626.

**.652** **-.6572**

Figure 1. A schematic diagram of the experimental setup. The subject is seated in a chair, viewing a screen displaying a target. The target is a small circle. The subject's hand is positioned at the starting point. The distance between the starting point and the target is 10 cm. The subject is instructed to move their hand from the starting point to the target. The movement is recorded by a video camera. The data is then analyzed to determine the movement time and the distance traveled.

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(RB2U14)

UPPER WING

ARC11-716 0A22 01

ALPHA ( 2 ) = -.180 BETA ( 2 ) = 10.000

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/MW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.700	-.2456				.0200		
.725				-.4769		-.2235	-.0984
.750							
.760			-.3702				
.775				-.4225	-.3333		
.808			-.2642				
.834		-.3650					
.850				-.1281	-.1008	-.0909	
.857			-.1912				
.865	-.3598						
.900	-.2136			-.0433			.0663
.905			-.0912		.0015		
.920				-.0195		.0036	
.953			-.0315				
.965	-.0979						

ALPHA ( 3 ) = 10.050 BETA ( 3 ) = -9.870

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/MW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.1448	-.1729	.3150	.5915	.5500	.4672	.4177
.020				-.3892	-.3823	-.5380	-.6457
.025			-.2597				
.040		-.0430					
.045			-.4273				
.050	-.1661			-.6300	-.6974	-.7841	-.9252
.060				-.8215			
.085			-.6261				
.086		-.0577					
.094	-.1014						
.150				-1.0910	-1.0840	-.8877	-.8328
.163		.0000					
.177			-.7665				
.193		-.3742					
.229	.0209						
.250							
.274				-1.0710	-1.0570	-.7166	-.5919
.333		-.6802					
.362	-.1335						
.400				-.8063	-.6782		-.5731
.402			-.9251				
.497	.0050						



DATE 08 APR 75 TABULATED PRESSURE DATA - 0A22A

(RBZU14)

UPPER WING

ARC11-716 0A22 01

ALPHA ( 3 ) = 10.030 BETA ( 1 ) = -9.070

SECTION ( 1 ) UPPER WING	DEPENDENT VARIABLE CP
Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870	
X/CW	
.350	-.4836 -.6746
.565	.0000
.600	-.3259
.650	-.3768
.700	.0000
.725	-.3747
.750	-.4941 -.4358
.760	-.1628
.775	-.3530 -.4832
.806	-.0294
.834	-.2184 -.4243 -.4255
.850	-.0005
.857	-.1478
.865	.0413
.900	.0726
.925	.0251
.950	-.0818 -.3734
.953	.0365
.965	.0358

ALPHA ( 3 ) = 10.120 BETA ( 2 ) = 10.100

SECTION ( 1 ) UPPER WING	DEPENDENT VARIABLE CP
Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870	
X/CW	
.050	-.6432 -.3020 -.4217 -.1925 -.2479 -.3789 -.3715
.075	-1.0120 -1.0240 -1.1060 -.8249
.075	-.3260
.080	-.2900
.085	-.3674
.090	-.8577 -1.1000 -1.1500 -.6968
.095	-.9057
.105	-.4568
.106	-.2582
.106	-.5672
.150	-.0000
.165	-.5761
.177	-.4248
.185	-.8896 -.8973 -.8485 -.6568
.228	-.7174
.250	-.8555
.274	
.339	

(R02U14)

UPPER WING

TABULATED PRESSURE DATA - QAZ2A

ARC11-716 QAZ2 Q1

ALPHA ( 3 ) = 10.120 BETA ( 2 ) = 10.100

SECTION ( 1 ) UPPER WING

DEPENDENT VARIABLE CP

X/C	Y/C	CP
.362	-.1704	-.6594
.400	-.0915	-.6594
.432	-.9084	-.6594
.497	.0000	-.6594
.553	-.3392	-.6594
.565	.0000	-.6594
.603	-.6357	-.6594
.650	.0000	-.6594
.700	-.3943	-.6594
.725	-.4148	-.6594
.750	-.4644	-.6594
.760	-.4006	-.6594
.775	-.3547	-.6594
.806	-.3002	-.6594
.834	-.2374	-.6594
.857	-.2222	-.6594
.865	-.2097	-.6594
.900	-.1434	-.6594
.933	-.1068	-.6594
.953	-.0864	-.6594
.965	-.0684	-.6594





ARC11-716 0422 01

UPPER WING

( 03 JAN 74 )

## REFERENCE DATA

MAC = 2.4210 INCHES  
 LEOP = 34.7090 INCHES  
 BRP = 34.7090 INCHES  
 SCALE = .0000 SCALE

## PARAMETRIC DATA

MACH = .600  
 RUDDER = .000  
 ELEVON = -20.000  
 SPDRK = .000

ALPHA ( 1 ) = -9.900 BETA ( 1 ) = -9.800

SECTION ( 1 ) UPPER WING DEFENDANT VARIABLE CP

V/M	2990	3640	4270	5340	6730	7830	8870
W/O							
.000	-0.409	-1.2330	-0.430	-0.7261	-0.6359	-0.6822	-0.4326
.020				.6975	.6629	.6340	.5835
.025				.4418			
.040				-1.1306			
.045				.3446			
.050	.0319			.6341	.6356	.6185	.5457
.060				.5354			
.065				.5402			
.066				.2855			
.094	.1256						
.150				.3162	.3225	.3259	.2803
.163				.0000			
.177				.3315			
.193	.4210						
.229	.2736			.1612	.1527	.1366	.0995
.230				.2026			
.274				.2056			
.362	.3327						
.400				.1611	.1319		.1018
.432							
.497	.0000			.2531	.2345		
.550				.0000			
.563							
.600							
.630							
.650				.4786	.0000	.3613	.2898
.700	.3142						
.725							
.750				.5079		.7697	.5560
.760							
.775				.7239		.7333	
.820							
.834	.5222			.4745	.4306	.3932	
.850							
.857				.5111			
.865	.6917						
.920	.5375			.3372			.2298
.935				.3536	.1107		

DATE 09 APR 75 TABULATED PRESSURE DATA - Q122A

(R82U15)

UPPER WING

ARC11-716 Q122 C1

ALPHA ( 1 ) = -9.000 BETA ( 1 ) = -9.000

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

V/OW .2990 .3640 .4270 .5340 .6750 .7100 .8070

W/OW

.990 .1637 1.000

.933 .1922

.965 .2412

ALPHA ( 1 ) = -9.000 BETA ( 2 ) = 10 100

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

V/OW .2990 .3640 .4270 .5340 .6750 .7000 .8070

W/OW

.930 -.1385 -.2977 -.4825 -.6419 -.10640 -1.1610 -1.1500

.920 .2432

.925 -.0606

.940 .3166

.945 .4140 .3682 .3281 .2425

.950 .3543

.965 .3275

.980 .1574

.994 .0403

.990 .0000

.977 .2199

.953 .2783

.929 .1541

.900 .1115

.874 .0828

.839 .2170

.802 .402

.765 .497

.728 .550

.686 .600

.643 .650

.600 .700

.557 .750

.514 .800

.471 .850

.428 .900

.385 .950

.342 .1000

.299 .1500

.256 .2000

.213 .2500

.170 .3000

.127 .3500

.084 .4000

.041 .4500

.000 .5000

.959 .5500

.916 .6000

.873 .6500

.830 .7000

.793 .7500

.750 .8000

.707 .8500

.664 .9000

.621 .9500



(182013)

UPPER WING

DATE 08 APR 75 TABULATED PRESSURE DATA - 0422A

ARC11-716 0422 01

ALPHA ( 1 ) = -9.090 BETA ( 2 ) = 10.100

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

X/CW	Y/CW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
.897								
.885								
.900								
.935								
.990								
.975								
.965								

ALPHA ( 2 ) = -.220 BETA ( 1 ) = -9.970

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

X/CW	Y/CW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
.900								
.920								
.925								
.940								
.945								
.990								
.965								
.966								
.954								
.950								
.963								
.977								
.993								
.929								
.930								
.974								
.939								
.942								
.953								
.932								
.955								
.900								
.950								
.923								
.920								
.920								
.960								

DATE 09 APR 73 TABULATED PRESSURE DATA - 0A22A

(RB2U13)

UPPER WING

ARC11-716 0A22 O1

ALPHA ( 2 ) = -.220 BETA ( 1 ) = -9.970

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/B	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.775				.5819	.7037		
.808			.3962				
.834	.4494						
.853				.4583	.4143	.3826	
.857			.4836				
.865	.5173						
.900	.5208			.3185	.1490		.2345
.905			.3278				
.950			.1373	.1486		.1404	
.953							
.965	.2119						

ALPHA ( 2 ) = .080 BETA ( 2 ) = 10.010

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/B	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.1303	-.0159	.2026	.2810	.1912	.0917	.1242
.020				.1189	.0791	.1101	.1064
.025			.0831				
.040		.0567					
.045			.0269				
.050	-.0626			-.0547	-.0374	-.0506	-.0758
.080							
.085			-.0730				
.086		.0769					
.094	-.0399						
.150				-.2591	-.2555	-.2224	-.2184
.163		.0320					
.177			-.1808				
.193		-.0347					
.229	.0365						
.250				-.2807	-.2836	-.2736	-.2721
.274			-.2104				
.339		-.1943					
.362	-.0290						
.400				-.1532	-.1486		-.1123
.432			-.1822				
.437	.0000						
.550				.0436	.0587		
.565			.0000				
.600							.1809
.650					.2528		



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(RB2U15)

UPPER WING

ARC11-716 0A22 01

ALPHA ( 2 ) = .080 BETA ( 2 ) = 10.010

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

V/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.700	.0565			.3369	.0000		
.725						.5530	.4812
.750							
.760			.3386				
.775			.4537	.4596	.5547		
.808							
.834	.3329			.4113	.3867	.3453	
.850			.3915				
.857							
.865		.4181		.2785			.1724
.900	.4176		.2665	.1331			
.905				.1221		.1014	
.930			.0969				
.953							
.965	.1276						

ALPHA ( 3 ) = 10.210 BETA ( 1 ) = -9.860

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

V/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.1472	-.2488	.1361	.3859	.2955	.1800	.1075
.020				-.7999	-.9777	-1.1950	-1.3700
.025			-.5281				
.040		-.1673					
.045			-.6692				
.050	-.1579			-1.0200	-1.1850	-1.3280	-1.4030
.060				-1.1240			
.085			-.7884				
.086		-.1932					
.094	-.1181						
.150		.0000		-.9561	-1.0790	-1.1050	-1.0250
.163							
.177		-.4780					
.193							
.229	-.0607			-.6477	-.7478	-.8155	-.9297
.250							
.274			-.5177				
.339		-.4522					
.362	-.2701						
.400				-.1831	-.2682		-.3807
.402							
.437	.0000		-.1910				

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(N82U13)

UPPER WING

ALPHA ( 3 ) = 10.210 BETA ( 1 ) = -9.860

ARC11-716 0A22 CA

SECTION ( 1 ) UPPER WING DEFENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.550				.1528	.1119		
.565			.0000				.0759
.600					.0000	.2401	
.650							
.700	.1101			.3011			
.725						.4275	.4122
.750			.3136				
.760							
.775			.4857				
.806							
.834	.4304						
.857			.3944		.3526	.3683	.3278
.865							
.900	.9130			.2654			.1751
.935	.5164		.2082		.1414		
.950				.1342		.1096	
.953			.1808				
.965	.2435						

ALPHA ( 3 ) = 10.190 BETA ( 2 ) = 10.110

SECTION ( 1 ) UPPER WING DEFENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.8480	-.3773	-.5748	-.4386	-.5516	-.7354	-.7408
.020				-1.0810	-1.3900	-1.5970	-1.7820
.025			-.4676				
.040		-.3318					
.045		-.5032					
.050	-.4776			-.9782	-1.2300	-1.3690	-1.4210
.080				-.9006			
.085		-.5481					
.086		-.3754					
.094	-.4826						
.150				-.6798	-.8555	-.8788	-.8026
.163		.0000					
.177		-.6051					
.193		-.6117					
.229	-.5144			-.5657	-.5768	-.6072	-.5879
.250							
.274			-.6109				
.339		-.5745					



(R82U13)

UPPER WING

TABULATED PRESSURE DATA - 0A22A

ARC11-718 0A22 01

ALPHA ( 3 ) = 10.130 BETA ( 2 ) = 10.110

SECTION ( 1 ) UPPER WING

DEPENDENT VARIABLE CP

Y/BW .2980 .3640 .4270 .5340 .6730 .7800 .8870

X/CM

.362	-.2353					
.403		-.2818	-.2425			-.1244
.402		-.5536				
.497	.0000					
.550		-.0635	-.0676			
.565		.0000				
.603						
.650				.0646		-.0199
.700	-.0227			.0000		
.725		.1485				
.750					.2083	.0777
.760		.2960				
.775		.4601	.4014			
.808	.2888					
.834						
.850		.1200	.3385	.1874		
.857		.4010				
.865	.4376					
.900	.3952		.0324	.1315		.1141
.935		.2958				
.950		-.0420			.0462	
.953		.1637				
.965	.1466					

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(R02U16) ( 03 JAN 74 )

UPPER WING

ARC11-716 0A22 01

PARAMETRIC DATA

MACH = .900 ELEVON = -20.000  
RUDDER = .000 SPOILER = .000

REFERENCE DATA

SREF = 2.4210 SQ. FT. XMRP = 29.5800 INCHES  
LREF = 38.7090 INCHES YMRP = .0000 INCHES  
BREF = 38.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0300 SCALE

ALPHA ( 1 ) = -10.060 BETA ( 1 ) = -9.900

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.5647	-.6144	-.1499	.0901	.0609	-.0364	.0002
.020			.6107	.8051	.7438	.7275	.6536
.025		.1047					
.040			.6414				
.045				.6886	.6539	.6351	.5615
.050	.1294			.5511			
.080			.5801				
.085		.4179					
.086							
.094	.1971			.3248	.3275	.3356	.2858
.150		.0000					
.163			.3622				
.177		.4804					
.193	.3397			.1762	.1604	.1380	.1033
.229			.2374				
.250							
.274		.2395					
.339	.3993			.2089	.1735		.1454
.362							
.400			.2029	.3454	.3297		
.402	.0000						
.497			.0000				.4070
.550				.6096	.0000		
.563							
.600							
.650							
.700	.4108						
.725							
.750							
.760			.6352	.8022	.8471		
.775			.8285				
.808							
.834	.6355			.6344	.6087	.5763	
.850							
.857			.6573				
.865	.7806						
.900	.6907			.4936			.4254
.925			.4998				





(R02U16)

## DATE 09 APR 75 TABULATED PRESSURE DATA - QAZ2A

UPPER WING

ARC11-716 QAZ2 01

ALPHA ( 1 ) = -10.060 BETA ( 1 ) = -9.900

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.950 .3268 .3377  
 .953 .3229  
 .965 .3499

ALPHA ( 1 ) = -10.060 BETA ( 2 ) = 10.060

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000 .0453 -.0654 -.0461 -.1193 -.3595 -.9231 -.5400  
 .020 .020 .5506 .3909 .3359 .2378  
 .025 .4054  
 .040 .1515  
 .045 .4272  
 .050 .1194 .4854 .3962 .3463 .2704  
 .063 .4004  
 .065 .3997  
 .066 .2836  
 .094 .1367  
 .150 .0000 .2274 .2002 .1926 .1199  
 .163 .2507  
 .177 .2693  
 .193 .1032  
 .229 .0902 .0706 .0595 -.0077  
 .250 .1377  
 .274 .0923  
 .339 .1704  
 .362 .0533 .0412 .0181  
 .402 .0319  
 .402 .0000 .1332 .1759  
 .437 .0000  
 .530 .0000 .3727  
 .563 .0000 .7425 .5631  
 .603 .4545  
 .650 .7664  
 .700 .7433  
 .725 .0000 .5369 .5325 .4891  
 .753 .4141  
 .760 .0000  
 .775 .0000  
 .806 .0000  
 .834 .0000  
 .850 .0000

1982018

UPPER WING

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

ARC11-716 0A22 01

ALPHA ( 1 ) = -10.060 BETA ( 2 ) = 10.060

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
			.4851				
	.837						
	.865	.5083					.3114
	.900	.4419	.4157				
	.935		.3280	.2898			
	.950		.2644	.2733			
	.955		.1648				
	.955	.1569					

ALPHA ( 2 ) = .010 BETA ( 1 ) = -9.970

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
	.0500	.0679	.0907	.4192	.5693	.5515	.4968
	.023			.4817	.4249	.4095	.3884
	.025		.4361				
	.043	.2789					
	.045		.3345	.1911	.1498	.1293	.0725
	.050	.1048		-.0291			
	.080		.1248				
	.085						
	.086		.3184				
	.094	.1042		-.2825	-.3116	-.2918	-.2808
	.150		.0500				
	.163			-.1583			
	.177		.1054				
	.193						
	.229	.1708		-.3881	-.4769	-.5113	-.5321
	.250						
	.274		-.2449				
	.339		-.2086				
	.362	.1018		-.0262	-.0660		-.0568
	.400			-.0625			
	.402						
	.497	.0700		.2669	.2491		
	.550		.0500				
	.565						.3403
	.600					.4345	
	.650				.0000		
	.700	.2887					
	.725			.5014			
	.750					.7787	.6856
	.760		.5170				



(RB2016)

UPPER WING

DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

ARC11-716 0422 01

ALPHA ( 2 ) = .010 BETA ( 1 ) = -9.970

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW				.5422	.6451		
.775				.6180			
.808							
.834	.5411			.5729	.5591	.5182	
.890							
.857				.6105			
.865	.6151						.3556
.920	.6321			.4580	.2854		
.905				.4767		.2754	
.950				.2021			
.955				.2038			
.965	.3419						

ALPHA ( 2 ) = .090 BETA ( 2 ) = 10.000

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.1903	.0062	.2517	.3547	.2499	.1631	.1923
.020				.1351	.0642	.0683	.0235
.025			.1074				
.040			.0877				
.045			.0461				
.090	-.0316			-.0480	-.0819	-.1022	-.1768
.080				-.1741			
.085			-.0390				
.086		.1085					
.094	-.0136			-.2893	-.3150	-.3316	-.3908
.150							
.163		.0000					
.177			-.1760				
.193		.0062					
.229	.0790			-.3427	-.4038	-.4463	-.4497
.250							
.274			-.2123				
.339		-.1890					
.362	.0233			-.2137	-.2147		-.0614
.400							
.432			-.2275				
.437	.0300			.0591	.1288		
.550							
.563							
.600			.0000				.2718
.650						.3075	

(R02016)

UPPER WING

DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

ARC11-716 0422 01

ALPHA ( 2 ) = .080 BETA ( 2 ) = 10.000

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/B	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.700	.0407			.3498	.0000		
.725						.4073	.4446
.750							
.760			.3523				
.775				.4126	.4446		
.800			.4900				
.834	.3565						
.850				.4914	.5146	.4848	
.857			.4552				
.865	.4879						
.900	.4430		.3835		.2591	.3131	
.905			.3394				
.930			.2167		.2346		
.950			.1717				
.965	.1762						

ALPHA ( 3 ) = 10.210 BETA ( 1 ) = -9.180

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/B	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.1456	-.1740	.3204	.5934	.5554	.4712	.4270
.020				-.3853	-.4044	-.5346	-.6363
.025			-.2630				
.040		-.0451					
.045			-.4325				
.050	-.1614			-.6.11	-.6931	-.7794	-.7931
.060				-.8230			
.065			-.6232				
.086		-.0606					
.094	-.1050						
.100				-1.0900	-.9855	-.8373	-.5058
.105		.0000					
.177			-.7452				
.190		-.3711					
.228	.0210						
.250				-1.0360	-.8156	-.5902	-.4259
.274			-.8414				
.339		-.6851					
.362	-.1551						
.400				-.6566	-.5894		-.3207
.432			-.3807				
.497	.0000						



(RB2U16)

UPPER WING

DATE 08 APR 75 TABULATED PRESSURE DATA - 0422A

ARC11-716 0422 01

ALPHA ( 3 ) = 10.210 BETA ( 1 ) = -9.880

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

V/BW	.2990	.3640	.4270	.5340	.6730	.7600	.8870
X/CW							
.390				-.4270	-.4827		
.365			.0000				-.1859
.600					-.6356		
.650					.0000		
.700	.0337			-.0061			
.725							-.3678
.750							-.1643
.760			.4456				
.775			.1673	-.3574			
.808			.6860				
.834	.4753						
.850			.3791	-.3243	-.4043		
.857			.5542				
.855	1.0090						
.900	.6151		.4276				-.1587
.905			.4262	-.2325			
.950			.3444				-.4323
.955			.2671				
.965	.2977						

ALPHA ( 3 ) = 10.220 BETA ( 2 ) = 10.120

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

V/BW	.2990	.3640	.4270	.5340	.6730	.7600	.8870
X/CW							
.000	-.6415	-.2957	-.4028	-.1914	-.2440	-.3732	-.3568
.020				-.9883	-1.0430	-1.1790	-.8992
.025			-.3233				
.040		-.2451					
.045			-.3740				
.050	-.5871			-.8492	-1.1700	-1.2830	-.7645
.060				-.8917			
.065			-.4534				
.066		-.2570					
.094	-.5693						
.150				-.8323	-1.2300	-1.0710	-.8097
.165		.0000					
.177			-.5777				
.185		-.3983					
.228	-.9037						
.230				-.8677	-1.1660	-.9064	-.7695
.274			-.7170				
.339		-.6540					

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(R02U16)

UPPER WING

DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

ARC11-716 0422 01

ALPHA ( 3 ) = 10.220 BETA ( 2 ) = 10.120		DEPENDENT VARIABLE CP	
SECTION ( 1 ) UPPER WING			
Y/BW			
.2900	.3640	.4270	.5340 .6730 .7800 .8870
X/CW			
.362	-.1799		
.400		-.6254	-.6721 -.6664
.432	-.9031		
.497	.0000		
.530		-.1048	-.2584
.563	.0000		
.600			-.6253
.630			-.4095
.700	-.1358		
.725		.1225	
.750			-.1319 -.5491
.760	.2001		
.775	.4137	.1524	.3284
.808			
.834	.2756		
.850		.1296	.3173 .2037
.857			
.855	.3868		
.870	.4834	.0264	
.905			-.4211
.930		.4003	.1093
.950		-.1022	.2115
.953	.2757		
.963	.2728		



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

RIGHT VERTICAL (INSTRON) ( 26 NOV 75 )

ARC11-716 0A22 01

PARAMETRIC DATA  
 BETA = .000 ELEVON = .000  
 RUDDER = .000 SPDRBK = .000

REFERENCE DATA

SREV = 2.4210 33.47. INRP = 29.5000 INCHES  
 LREV = 36.7390 INCHES YMRP = .0000 INCHES  
 BREV = 36.7390 INCHES ZMRP = .0000 INCHES  
 SCALE = .0000 SCALE

MACH ( 1 ) = .597 ALPHA ( 1 ) = -14.480

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V	.1500	.3100	.6000	.8400	.9250
W/CV					
.000	.5844	.5885	.6537	.6623	.6803
.050	.1935	.1104	.0415	.0075	.0345
.100	.1241	.0536	-.0354	-.0331	-.0309
.150	.0328	-.0350	-.0923	-.1041	-.0936
.200	-.1752	-.2660	-.2991	-.3367	-.2725
.250	-.2296	-.4116	-.3307	-.3235	-.3059
.300	-.1639	-.1862	-.1763	-.1745	-.1248
.350		-.1017	-.0474	-.0147	-.0161

MACH ( 1 ) = .596 ALPHA ( 2 ) = -9.840

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V	.1500	.3100	.6000	.8400	.9250
W/CV					
.000	.5253	.5232	.5696	.5658	.6054
.050	.1291	.0749	.0226	-.0045	-.0213
.100	.0652	.0117	-.0342	-.0472	-.0455
.150	-.0139	-.0665	-.1106	-.1146	-.1111
.200	-.2002	-.2770	-.3052	-.3329	-.2704
.250	-.2360	-.4042	-.3286	-.4712	-.2877
.300	-.1749	-.1901	-.1825	-.1795	-.1135
.350		-.1121	-.0602	-.0116	-.0096

MACH ( 1 ) = .596 ALPHA ( 3 ) = -4.650

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V	.1500	.3100	.6000	.8400	.9250
W/CV					
.000	.4648	.4533	.5210	.5009	.5160
.050	.0754	.0272	-.0006	-.0217	-.0282
.100	.0197	-.0270	-.0669	-.0639	-.0531
.150	-.0376	-.0855	-.1207	-.1235	-.1140
.200	-.2182	-.2834	-.3387	-.3283	-.2552
.250	-.2331	-.3865	-.3276	-.4325	-.2702

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DATE 08 APR 75 TABULATED PRESSURE DATA - 0422A

(INBRO1)

RIGHT VERTICAL

ARC11-716 0422 04

MACH ( 1 ) = .596 ALPHA ( 3 ) = -4.850

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

K/CV

.775 -.1732 -.2041 -.1672 -.1774 -.1065  
.900 -.1227 -.0687 -.0175 .0000

MACH ( 1 ) = .597 ALPHA ( 4 ) = .080

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

K/CV

.000 .4110 .3934 .4454 .4285 .4430  
.050 .0294 .0131 -.0206 -.0428 -.0531  
.150 -.0244 -.0500 -.0605 -.0776 -.0677  
.300 -.0910 -.1126 -.1334 -.1317 -.1250  
.520 -.2192 -.2681 -.3051 -.3186 -.2476  
.685 -.2337 -.3607 -.3228 -.3991 -.2544  
.775 -.1825 -.2156 -.1767 -.1756 -.0935  
.900 -.1336 -.0744 -.0269 -.0029

MACH ( 1 ) = .596 ALPHA ( 5 ) = 5.090

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

K/CV

.000 .3694 .3380 .3742 .3551 .3693  
.050 -.0159 -.0221 -.0348 -.0574 -.0706  
.150 -.0594 -.0712 -.0698 -.0919 -.0747  
.300 -.1141 -.1243 -.1400 -.1376 -.1294  
.520 -.2324 -.2621 -.2976 -.3037 -.2256  
.685 -.2190 -.3606 -.3317 -.3423 -.2397  
.775 -.1765 -.2185 -.1712 -.1616 -.0990  
.900 -.1436 -.0633 -.0001 -.0000





(R02001)

RIGHT VERTICAL

ARC11-710 0422 01

MACH ( 1 ) = .590 ALPHA ( 6 ) = 10.100  
SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE OF

Z/8V	.1500	.3160	.6000	.8400	.9250
W/CV					
.000	.3377	.2099	.3215	.2913	.3025
.050	-.0460	-.0462	-.0541	-.0648	-.0800
.100	-.0827	-.0908	-.1012	-.0883	-.0800
.150	-.1341	-.1311	-.1423	-.1250	-.1323
.200	-.2418	-.2045	-.2910	-.2820	-.2153
.250	-.2142	-.3563	-.3217	-.3053	-.2218
.300	-.1722	-.2212	-.1671	-.1503	-.0926
.350		-.1400	-.0759	-.0263	-.0312

MACH ( 1 ) = .599 ALPHA ( 7 ) = 14.590  
SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE OF

Z/8V	.1500	.3160	.6000	.8400	.9250
W/CV					
.000	.3181	.2629	.2851	.2318	.2515
.050	-.0872	-.0731	-.0687	-.0780	-.1003
.100	-.1096	-.1090	-.1089	-.1025	-.0905
.150	-.1333	-.1506	-.1500	-.1336	-.1271
.200	-.2616	-.3003	-.2920	-.2704	-.2333
.250	-.2410	-.3589	-.3197	-.2865	-.2059
.300	-.1944	-.2331	-.1858	-.1485	-.0921
.350		-.1550	-.0804	-.0309	-.0348

MACH ( 2 ) = .802 ALPHA ( 1 ) = -14.570  
SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE OF

Z/8V	.1500	.3160	.6000	.8400	.9250
W/CV					
.000	.6467	.6383	.6363	.6723	.6723
.050	.2815	.1820	.0496	.0666	-.0602
.100	.1842	.1117	.0410	-.0337	-.0240
.150	.0467	.0322	-.0401	-.0765	-.0949
.200	-.1038	-.2073	-.2090	-.2637	-.2621
.250	-.3547	-.7181	-.1110	-.8161	-.7449
.300	-.2674	-.4225	-.6435	-.5023	-.4238
.350		-.2825	-.3910	-.3217	-.2325

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DATE 08 APR 75 TABULATED PRESSURE DATA - 0422A

(R28201)

RIGHT VERTICAL

ARC11-16 0422 01

MACH ( 2 ) = .899 ALPHA ( 2 ) = -9.730

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .5834 .5314 .6125 .5809 .5869  
 .050 .1664 .0740 -.0039 .0327 -.0752  
 .150 .0823 .0352 -.0140 -.0453 -.0642  
 .300 -.0027 -.0348 -.0837 -.1185 -.1379  
 .520 -.1638 -.2423 -.2456 -.2967 -.3048  
 .685 -.3462 -.6631 -1.1210 -.7058 -.5841  
 .775 -.2498 -.3688 -.5898 -.4149 -.2960  
 .900 -.2862 -.3623 -.2863 -.1791

MACH ( 2 ) = .901 ALPHA ( 3 ) = -9.010

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .4703 .4531 .5360 .5045 .5047  
 .050 .0838 .0062 -.0145 .0012 -.0607  
 .150 -.0050 -.0273 -.0313 -.0682 -.0863  
 .300 -.0720 -.0778 -.1039 -.1421 -.1647  
 .520 -.1977 -.2562 -.2593 -.3182 -.3361  
 .685 -.3135 -.5423 -1.0500 -.5352 -.4373  
 .775 -.2258 -.3115 -.5146 -.3320 -.2304  
 .900 -.2600 -.2778 -.2106 -.1295

MACH ( 2 ) = .902 ALPHA ( 4 ) = .080

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .3940 .3526 .4582 .4189 .4224  
 .050 -.0021 -.0512 -.0428 -.0306 -.0890  
 .150 -.0864 -.0736 -.0660 -.0866 -.1148  
 .300 -.1239 -.1101 -.1222 -.1550 -.1889  
 .520 -.2197 -.2639 -.2815 -.3297 -.3601  
 .685 -.2626 -.4943 -.8325 -.5084 -.3302  
 .775 -.2103 -.2846 -.4578 -.3753 -.2081  
 .900 -.2410 -.1802 -.1737 -.0914



(R82R01)

RIGHT VERTICAL

DATE 09 APR 75

ARC11-716 0422 01

MACH ( 2 ) = .903 ALPHA ( 5 ) = 5.070

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .3409 .2800 .3801 .3417 .3462  
 .050 -.1485 -.1097 -.0561 -.0635 -.1185  
 .100 -.1932 -.1051 -.0803 -.1065 -.1330  
 .150 -.1806 -.1248 -.1404 -.1759 -.2012  
 .200 -.2239 -.2622 -.2993 -.3520 -.3704  
 .250 -.2381 -.4596 -.6352 -.4604 -.2929  
 .300 -.1964 -.2878 -.3819 -.2861 -.1504  
 .350 -.2257 -.1108 -.1232 -.0413

MACH ( 2 ) = .904 ALPHA ( 6 ) = 10.140

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .2708 .2319 .3308 .2778 .2830  
 .050 -.2046 -.1786 -.0930 -.0798 -.1329  
 .100 -.1858 -.1409 -.0953 -.1187 -.1442  
 .150 -.1892 -.1593 -.1553 -.1683 -.2185  
 .200 -.2417 -.2733 -.3006 -.3662 -.3707  
 .250 -.2264 -.4115 -.6332 -.4444 -.2718  
 .300 -.1964 -.2593 -.3489 -.2592 -.1509  
 .350 -.2288 -.1255 -.1063 -.0216

MACH ( 2 ) = .903 ALPHA ( 7 ) = 14.600

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .3063 .1469 .2551 .2265 .2346  
 .050 -.2615 -.3862 -.1505 -.1005 -.1564  
 .100 -.2921 -.3181 -.1312 -.1357 -.1665  
 .150 -.3647 -.3092 -.1770 .1987 -.2355  
 .200 -.3615 -.3126 .3190 .3664 .3798  
 .250 -.3043 .4379 .6333 .4167 .2675  
 .300 -.2534 .3120 .3614 .2538 .1289  
 .350 -.2962 -.1351 -.0362 .0026

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ARC11-716 0A22 01

RIGHT VERTICAL

(RB2R05) ( 08 NOV 73 )

## REFERENCE DATA

XREF = 2.4210 36. FT. XMRP = 29.3600 INCHES  
 LREF = 36.7090 INCHES YMRP = .0000 INCHES  
 BREF = 36.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0300 SCALE

MACH ( 1 ) = .596 ALPHA ( 1 ) = -14.440

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .6016 .5967 .6594 .6536 .6648  
 .050 .2309 .1543 .0694 .0201 .0179  
 .100 .1707 .0956 -.1279 -.0137 -.0076  
 .150 .0778 .0063 -.0533 -.0732 -.0691  
 .200 -.1285 -.2256 -.2120 -.2827 -.2341  
 .250 -.2024 -.3752 -.2952 -.4624 -.2643  
 .300 -.1373 -.1670 -.1442 -.1363 -.0878  
 .350 -.0855 -.0281 .0184 .0181

MACH ( 1 ) = .596 ALPHA ( 2 ) = -9.980

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .5406 .5331 .5893 .5785 .5927  
 .050 .1703 .1061 .0396 -.0008 -.0041  
 .100 .1116 .0503 -.1479 -.0363 -.0296  
 .150 .0303 -.0258 -.0781 -.0989 -.0880  
 .200 -.1491 -.2340 -.2783 -.2970 -.2351  
 .250 -.2032 -.3573 -.2979 -.4330 -.2603  
 .300 -.1455 -.1702 -.1574 -.1327 -.0904  
 .350 -.0936 -.0407 .0116 .0146

MACH ( 1 ) = .596 ALPHA ( 3 ) = -4.870

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .4843 .4667 .5147 .4902 .5054  
 .050 .1209 .0790 .0140 -.0133 -.0163  
 .100 .0604 .0194 -.1544 -.0450 -.0384  
 .150 -.0164 -.0496 -.0935 -.0990 -.0984  
 .200 -.1675 -.2434 -.3644 -.2931 -.2208  
 .250 -.2027 -.3433 -.2894 -.3891 -.2390

## PARAMETRIC DATA

BETA = .000 ELEVON = -20.000  
 RUDDER = .000 SPOBRK = .000



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(082003)

RIGHT VERTICAL

ARC11-716 0A22 01

MACH ( 1 ) = .596 ALPHA ( 3 ) = -4.875

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.775 -.1488 -.1737 -.1544 -.1496 -.0760  
.900 -.1022 -.0486 .0012 .0347

MACH ( 1 ) = .596 ALPHA ( 4 ) = -.010

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .4293 .4072 .4471 .4166 .4258  
.090 .0655 .0425 -.0060 -.0274 -.0343  
.190 .0201 -.0159 -.1700 -.0628 -.0532  
.300 -.0469 -.0761 -.1070 -.1121 -.1069  
.520 -.1795 -.2494 -.6023 -.2922 -.2216  
.685 -.2052 -.3399 -.3034 -.3610 -.2264  
.775 -.1610 -.1920 -.1529 -.1487 -.0795  
.900 -.1192 -.0543 -.0087 .0244

MACH ( 1 ) = .596 ALPHA ( 5 ) = 5.000

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .3696 .3476 .3768 .3498 .3575  
.090 .0286 .0162 -.0192 -.0477 -.0665  
.190 .0173 -.0416 -.1762 -.0766 -.0373  
.300 -.0737 -.0640 -.1190 -.1261 -.1147  
.520 -.1942 -.2526 -.6098 -.2767 -.2173  
.685 -.1954 -.3305 -.3125 -.3173 -.2115  
.775 -.1493 -.1985 -.1555 -.1455 -.0822  
.900 -.1301 -.0991 -.0175 .0167

DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

(R82803)

RIGHT VERTICAL

ARC11-716 0422 01

MACH ( 1 ) = .596 ALPHA ( 6 ) = 9.970

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .3648 .3074 .3198 .2739 .2904  
 .050 .0029 -.0109 -.0274 -.0583 -.0740  
 .100 -.0394 -.0563 -.1769 -.0739 -.0612  
 .150 -.0971 -.1072 -.1184 -.1165 -.1152  
 .200 -.2050 -.2599 -1.1060 -.2571 -.1950  
 .250 -.1914 -.3312 -.3053 -.2725 -.1938  
 .300 -.1373 -.2053 -.1524 -.1325 -.0730  
 .350 -.1382 -.0750 -.0097 .0089

MACH ( 1 ) = .598 ALPHA ( 7 ) = 14.640

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .3456 .2836 .2827 .2313 .2374  
 .050 .0225 -.0341 -.0463 -.0670 -.0810  
 .100 .0555 -.0739 -.1837 -.0845 -.0639  
 .150 .1127 -.1203 -.1243 -.1221 -.1142  
 .200 .2223 -.2685 -1.4930 -.2335 -.1841  
 .250 .2091 -.3412 -.2995 -.2489 -.1785  
 .300 .1772 -.2090 -.1482 -.1253 -.0629  
 .350 .1446 -.0571 -.0127 .0188

MACH ( 2 ) = .904 ALPHA ( 1 ) = -14.570

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .6777 .6639 .6989 .6641 .6376  
 .050 .3177 .2200 .0952 .0702 -.0606  
 .100 .2499 .1721 .0321 -.0030 -.0114  
 .150 .1802 .0864 -.0147 -.0792 -.1003  
 .200 -.0566 -.1783 -.1707 -.2786 -.2703  
 .250 .4263 -.8268 -1.1150 -.9547 -.8774  
 .300 .3322 -.4841 -1.0420 -.5263 -.5301  
 .350 .3417 -.4477 -.3877 -.3060



DATE 09 APR 75

TABULATED PRESSURE DATA - QAZ2A

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ARC11-716 QAZ2 01

(R82R05)

RIGHT VERTICAL

MACH ( 2 ) = .903 ALPHA ( 2 ) = -10.030

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV	.1500	.3160	.6000	.8400	.9250
X/CV					
.000	.6106	.5936	.6247	.5811	.5774
.050	.2474	.1691	.0641	.0379	-.0625
.100	.1798	.1264	.0144	-.0397	-.0472
.300	.1316	.0471	-.0425	-.1132	-.1346
.500	-.0930	-.1886	-.1939	-.3021	-.3158
.685	-.3217	-.6684	-1.1050	-.8228	-.7180
.775	-.2456	-.3874	-.6594	-.5911	-.4137
.900	-.3003	-.3958	-.3341	-.2259	

MACH ( 2 ) = .902 ALPHA ( 3 ) = -4.980

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV	.1500	.3160	.6000	.8400	.9250
X/CV					
.000	.5204	.5041	.5397	.4884	.4848
.050	.1725	.1102	.0389	-.0135	-.0663
.100	.1063	.0665	-.0346	-.0801	-.0827
.300	.0361	.0011	-.0769	-.1539	-.1667
.500	-.1250	-.2154	-.2235	-.3370	-.3483
.685	-.2617	-.5324	-1.1080	-.6273	-.4290
.775	-.2037	-.3094	-.5214	-.4127	-.2499
.900	-.2668	-.2484	-.2540	-.1316	

MACH ( 2 ) = .901 ALPHA ( 4 ) = .000

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV	.1500	.3160	.6000	.8400	.9250
X/CV					
.000	.4640	.4154	.4547	.3935	.3947
.050	.1074	.0678	.0111	-.0469	-.0979
.100	.0427	.0164	-.0725	-.0999	-.1088
.300	-.0151	-.0399	-.1064	-.1721	-.1932
.500	-.1517	-.2538	-.2542	-.3528	-.3788
.685	-.2514	-.4666	-.8463	-.5557	-.3524
.775	-.1870	-.2855	-.4753	-.3575	-.2342
.900	-.2533	-.1727	-.2057	-.1140	

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(062005)

RIGHT VERTICAL

ARC11-716 0A22 01

MACH ( 2 ) = .902 ALPHA ( 5 ) = 5.040  
SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV  
.000 .4223 .3599 .3660 .3079 .3125  
.050 .0274 .0143 .0275 .0770 .1322  
.100 .0113 .0286 .1030 .1180 .1427  
.150 .0605 .0710 .1300 .1959 .2254  
.200 .1743 .2381 .2710 .3767 .3375  
.250 .2341 .4494 .5690 .5029 .3046  
.300 .1906 .2883 .4033 .3167 .1879  
.350 .2345 .1311 .1621 .0751

MACH ( 2 ) = .905 ALPHA ( 6 ) = 10.010  
SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV  
.000 .3072 .2680 .3279 .2661 .2605  
.050 .0775 .0925 .0612 .0895 .1387  
.100 .0735 .0735 .1360 .1220 .1514  
.150 .1061 .1052 .1480 .1979 .2323  
.200 .1962 .2513 .2727 .3827 .3928  
.250 .2154 .3987 .6239 .4560 .2854  
.300 .1890 .2603 .3393 .2823 .1437  
.350 .2282 .1353 .1227 .0178

MACH ( 2 ) = .904 ALPHA ( 7 ) = 14.620  
SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV  
.000 .3184 .2212 .2796 .2238 .2265  
.050 .2111 .2420 .1196 .1028 .1652  
.100 .2213 .1636 .1967 .1321 .1568  
.150 .2290 .1669 .1643 .1923 .2298  
.200 .2344 .2795 .2876 .3535 .3496  
.250 .2534 .4527 .5323 .3831 .2487  
.300 .2105 .2797 .3251 .2177 .0979  
.350 .2492 .1194 .0696 .0275





DATE 08 APR 75 TABULATED PRESSURE DATA - 0422A

(RB2909) ( 29 SEP 75 )

RIGHT VERTICAL

PARAMETRIC DATA  
ALPHA = .000 ELEVON = .000  
RUDDER = -10.000 SPOBRK = .000

REFERENCE DATA

REF = 2.4210 30. FT. YARP = 29.5800 INCHES  
LREF = 38.7090 INCHES YARP = .0000 INCHES  
BREF = 38.7090 INCHES ZARP = .0000 INCHES  
SCALE = .0000 SCALE

MACH ( 1 ) = .597 BETA ( 1 ) = -9.980

SECTION ( 1 ) RIGHT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1580 .3160 .6000 .8400 .9250

X/CV

.000 -.2635 -.5485 -.5161 -.0663 -.0455  
.050 -1.0640 -.8648 -.9718 -.5209 -.3830  
.150 -1.1870 -.8107 -.9879 -.4906 -.3663  
.300 -2.2781 -.7148 -.9256 -.4511 -.3300  
.520 -3.4664 -.3997 .0000 -.3729 -.2660  
.685 -2.432 -.2430 -.2064 -.3140 -.2171  
.775 -.2127 -.1890 -.1314 -.2869 -.1853  
.900 -.1442 -.0300 -.2355 -.1760

MACH ( 1 ) = .596 BETA ( 2 ) = -4.980

SECTION ( 1 ) RIGHT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1580 .3160 .6000 .8400 .9250

X/CV

.000 .1897 .0720 .1673 .2712 .1817  
.050 .5768 -.5406 -.4820 -.4507 -.6568  
.150 .3257 .4647 .4099 .3903 .5418  
.300 .2320 -.2663 -.3063 -.2939 -.1268  
.520 .2779 .2745 .0000 .2149 .1615  
.685 .2337 .1277 .1237 .1809 .1939  
.775 .1792 .1256 .1118 .1937 .1187  
.900 .1259 .0962 .0900 .0498

MACH ( 1 ) = .597 BETA ( 3 ) = .000

SECTION ( 1 ) RIGHT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1580 .3160 .6000 .8400 .9250

X/CV

.000 .4129 .4027 .4495 .4003 .4328  
.050 .0286 .0224 .0273 .0463 .0220  
.150 .0194 .0435 .0335 .0547 .0386  
.300 .0627 .0804 .0360 .1400 .0558  
.520 .2114 .2211 .0000 .1441 .1629  
.685 .2129 .0812 .0500 .1741 .2724

DATE 08 APR 75 TABULATED PRESSURE DATA - 0422A

(R82R09)

RIGHT VERTICAL

ARC11-716 0422 01

MACH ( 1 ) = .597 BETA ( 3 ) = .920  
SECTION ( 1 ) RIGHT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.775 -.1376 -.0902 -.0766 -.1660 -.1783  
.920 -.1183 -.1163 -.1372 -.1304

MACH ( 1 ) = .596 BETA ( 4 ) = 4.980

SECTION ( 1 ) RIGHT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .1944 .0231 .0301 -.1748 -.0574  
.050 .2606 .2618 .2997 .3368 .2745  
.150 .1604 .1532 .1882 .2159 .1492  
.300 .0608 .0500 .1103 .1124 .0312  
.520 -.1360 -.1568 .0000 -.0931 -.1256  
.685 -.2192 -.0224 .0279 -.1114 -.2354  
.775 -.1648 -.0500 -.0194 -.1216 -.1597  
.920 -.0980 -.0673 -.1132 -.1283

MACH ( 1 ) = .600 BETA ( 5 ) = 9.990

SECTION ( 1 ) RIGHT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 -.2966 -.7298 -.6915 -.5759 -.2600  
.050 .4608 .4469 .4635 .4565 .3606  
.150 .3361 .3179 .3427 .3331 .2287  
.300 .2063 .1810 .2364 .2001 .0845  
.520 -.0538 -.0632 .0000 -.0705 -.1092  
.685 -.2237 .0377 .0334 .0854 .2418  
.775 -.1793 -.0048 .0351 .1137 .1823  
.920 -.0679 -.0635 .1497 .1758



DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

(RB2R09)

RIGHT VERTICAL

ARC11-716 0422 01

MACH ( 2 ) = .899 BETA ( 1 ) = -9.950  
SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V	.1500	.3160	.6000	.8400	.9250
X/CV					
.000	.1490	-.0655	-.1414	-.0428	-.1115
.050	-.6963	-.9809	-1.0110	-.5986	-.4728
.100	-.8900	-1.0140	-.9270	-.5911	-.4774
.150	-.4418	-.9618	-.8238	-.5821	-.4509
.200	-.6532	-.6487	-.0000	-.5408	-.4233
.250	-.3722	-.3464	-.6287	-.4702	-.3563
.300	-.2374	-.2052	-.5713	-.4314	-.3333
.350		-.2165	-.5067	-.3905	-.2791

MACH ( 2 ) = .901 BETA ( 2 ) = -4.970  
SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V	.1500	.3160	.6000	.8400	.9250
X/CV					
.000	.2883	.1963	.2065	-.2920	.2356
.050	-.5428	-.7626	-.9243	-.5269	-.4229
.100	-.3151	-.7064	-.8693	-.5231	-.3383
.150	-.4365	-.4481	-.6652	-.4853	-.3547
.200	-.4582	-.2704	-.0000	-.3954	-.3135
.250	-.2902	-.1361	-.0959	-.3316	-.2901
.300	-.2292	-.1538	-.1213	-.3362	-.2847
.350		-.1970	-.1485	-.3124	-.2252

MACH ( 2 ) = .902 BETA ( 3 ) = .010  
SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V	.1500	.3160	.6000	.8400	.9250
X/CV					
.000	.3492	.3598	.4584	.4368	.4457
.050	-.0098	-.0831	-.0519	-.0023	-.0393
.100	-.1036	-.0777	-.0763	-.0318	-.0557
.150	-.1427	-.1070	-.0919	-.0718	-.1156
.200	-.2253	-.2570	.0000	-.2112	-.1761
.250	-.2652	-.1282	-.1341	-.2406	-.4391
.300	-.1851	-.1122	-.1492	-.2635	-.3010
.350		-.1621	-.1700	-.2882	-.1813

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DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

(R82808)

RIGHT VERTICAL

ARC11-716 0422 01

MACH ( 2 ) = .900 BETA ( 4 ) = 4.990

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

K/CV

.000 .3202 .2306 .1882 .0970 .1944  
 .350 .2237 .2259 .2606 .2939 .2516  
 .150 .1365 .1387 .1631 .1882 .1258  
 .300 .0579 .0476 .0866 .0835 .0050  
 .520 -.1144 -.1740 .0000 -.1476 -.1542  
 .685 -.2805 -.0266 -.0032 -.1962 -.6141  
 .775 -.1925 -.0585 -.0522 -.1877 -.3739  
 .900 -.1224 -.1061 -.1324 -.1224 -.2034

MACH ( 2 ) = .901 BETA ( 5 ) = 9.970

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

K/CV

.000 .1479 -.0780 -.1630 -.2420 -.0961  
 .350 .4742 .4454 .4270 .4308 .3526  
 .150 .3513 .3251 .3054 .3157 .2132  
 .300 .2386 .1932 .2152 .1878 .0736  
 .520 .0019 -.1040 .0000 -.0884 -.1100  
 .685 -.3021 .0364 .0632 -.1536 -.5770  
 .775 -.2243 -.0147 .0041 -.1567 -.4967  
 .900 -.0950 -.0318 -.1486 -.4180



DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

RIGHT VERTICAL (R02010) ( 29 SEP 75 )

ARC11-716 0422 01

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000  
RUDDER = 10.000 SPOOR = .000

REFERENCE DATA

REF = 2.4210 30.00 FT. YARP = 29.5000 INCHES  
LREF = 30.7000 INCHES YARP = .0000 INCHES  
BREF = 30.7000 INCHES ZARP = .0000 INCHES  
SCALE = .0000 SCALE

MACH ( 1 ) = .996 BETA ( 1 ) = -9.970

SECTION ( 1 ) RIGHT VERTICAL DEFICIENT VARIABLE CP

Z/Y = .1500 .3100 .6000 .8400 .9250

K/CV

.000 -.2071 -.6300 -.7507 -.3055 -.3017  
.050 -1.1390 -.9309 -1.1630 -.9089 -.5192  
.100 -1.2920 -.9018 -1.2180 -.8674 -.4946  
.150 -.3090 -.8727 -1.1370 -.5549 -.5015  
.200 -.4023 -.9622 .0000 -.4753 -.4018  
.250 -.3096 -.5769 -.5868 -.4601 -.4193  
.300 -.2911 -.4040 -.4694 -.4440 -.4097  
.350 -.2646 -.3428 -.3852 -.3735

MACH ( 1 ) = .997 BETA ( 2 ) = -4.970

SECTION ( 1 ) RIGHT VERTICAL DEFICIENT VARIABLE CP

Z/Y = .1500 .3100 .6000 .8400 .9250

K/CV

.000 -.1020 .0129 .0254 .0739 .0185  
.050 -.5761 .6236 -.6561 -.8243 -.6452  
.100 -.3347 .5432 .5999 .7556 .6364  
.150 -.2632 .3106 .4995 .5799 .5466  
.200 -.3189 .4029 .0000 .3539 .3396  
.250 -.2823 .6013 .4568 .2373 .2518  
.300 -.2507 .4213 .3328 .2066 .2007  
.350 -.2132 .2632 .1464 .1551

MACH ( 1 ) = .996 BETA ( 3 ) = .020

SECTION ( 1 ) RIGHT VERTICAL DEFICIENT VARIABLE CP

Z/Y = .1500 .3100 .6000 .8400 .9250

K/CV

.000 .4110 .4008 .4530 .4564 .4419  
.050 .0193 .0106 .0645 .0974 .1295  
.100 .0367 .0606 .1347 .1168 .1341  
.150 .10.9 .1274 .1768 .1557 .1277  
.200 .2326 .3344 .0000 .2750 .1884  
.250 .2322 .6106 .3343 .2689 .2115

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DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

(INSTRIO)

RIGHT VERTICAL

ARC11-716 0422 01

MACH ( 1 ) = .596 BETA ( 3 ) = .020  
SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3100 .6000 .8400 .9250

K/CV

.775 -.2225 -.4412 -.3637 -.2234 -.1631  
.900 -.1807 -.2756 -.1548 -.1162

MACH ( 1 ) = .597 BETA ( 4 ) = 3.025

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3100 .6000 .8400 .9250

K/CV

.030 .2127 .0726 .1236 .1224 .1898  
.050 .2500 .2591 .2222 .1962 .1682  
.150 .1425 .1272 .0802 .0620 .0572  
.300 .0425 .0108 -.0271 -.0461 -.0582  
.520 -.1622 -.2684 .0000 .3067 .2199  
.785 -.2635 -.5843 -.5010 -.4014 -.2656  
.775 -.2056 -.5656 -.2725 -.2478 -.1373  
.900 -.1631 -.1330 -.0900 -.0528

MACH ( 1 ) = .600 BETA ( 5 ) = 9.940

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3100 .6000 .8400 .9250

K/CV

.000 -.2301 -.6295 -.4513 -.2330 .0199  
.050 .4496 .4323 .4096 .3865 .2990  
.150 .3197 .2691 .2416 .2326 .1543  
.300 .1879 .1371 .0902 .0537 .0016  
.520 -.0726 .1980 .0300 .2803 .2395  
.785 -.2578 .9363 .5113 .6317 .3178  
.775 -.2028 .2968 .2384 .3177 .1915  
.900 -.1801 .1340 .1818 .1726



DATE 08 APR 75 TABULATED PRESSURE DATA - 0422A

RIGHT VERTICAL (PERIOD)

ARC11-716 2422 01

MACH ( 2 ) = .900 BETA ( 1 ) = -9.930

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

W/CV

.000 .1904 -.0371 -.1203 -.0334 -.1436  
 .300 -.0904 -.9376 -.0317 -.5807 -.5121  
 .150 -.0714 -1.0030 -.0304 -.5617 -.5132  
 .300 -.4267 -.9345 -.7678 -.5387 -.5192  
 .320 -.6301 -.6308 .0000 -.5314 -.5306  
 .603 -.4198 -.0234 -.5337 -.4714 -.4576  
 .773 -.2791 -.5304 -.5375 -.4530 -.4404  
 .900 -.3090 -.4963 -.4324 -.4317

MACH ( 2 ) = .801 BETA ( 2 ) = -4.990

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

W/CV

.000 .2077 .1958 .2020 .2411 .1956  
 .300 -.5371 -.7696 -.9342 -.6831 -.4996  
 .150 -.3098 -.6992 -.0711 -.6632 -.4771  
 .300 -.4334 -.4387 -.6796 -.5935 -.4308  
 .320 -.4602 -.3962 .0000 -.4336 -.3623  
 .603 -.2808 -.5634 -.5934 -.3795 -.3155  
 .773 -.2743 -.4624 -.5249 -.3574 -.3030  
 .900 -.2744 -.4155 -.2849 -.2726

MACH ( 2 ) = .802 BETA ( 3 ) = .030

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

W/CV

.000 .3670 .3371 .4533 .4406 .4480  
 .300 .3345 .0682 -.0568 -.0416 -.1263  
 .150 .0287 .0780 .1144 .0911 .1122  
 .300 .1447 .1168 .1265 .1456 .1767  
 .320 .2239 .2597 .0000 .7643 .1923  
 .603 .2966 .6894 .6045 .2015 .2036  
 .773 .2343 .5781 .5048 .1877 .1835  
 .900 .2735 .4036 .1741 .1717

DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

(N82810)

RIGHT VERTICAL

ARC11-716 0422 01

MACH ( 2 ) = .899 BETA ( 4 ) = 5.000

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .3140 .2245 .1798 .1199 .2097  
 .050 .2237 .2112 .2450 .2395 .1777  
 .100 .1375 .1277 .1150 .1211 .0503  
 .150 .0822 .0424 .0198 -.0207 -.0902  
 .200 -.1175 -.1899 .0000 -.2915 -.2906  
 .250 -.2914 -.7331 -.7930 -.2313 -.3025  
 .300 -.2183 -.4908 -.7402 -.2079 -.2252  
 .350 -.2852 -.4237 -.1820 -.1328

MACH ( 2 ) = .901 BETA ( 5 ) = 10.010

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .1446 -.0741 -.1575 -.2012 -.0367  
 .050 .4725 .4383 .3964 .3586 .3041  
 .100 .3470 .3165 .2487 .2335 .1496  
 .150 .2339 .1835 .1332 .0776 -.0100  
 .200 .0042 -.1233 .0000 -.2354 -.2980  
 .250 -.3091 -.7638 -1.2960 -.5815 -.5568  
 .300 -.2571 -.4497 -.6422 -.6098 -.4539  
 .350 -.3631 -.4670 -.4275 -.3426





(RB2811) ( 08 NOV 73 )

RIGHT VERTICAL

PARAMETRIC DATA

BETA = .000 ELEVON = .000  
RUDDER = .000 SFD8RK = 35.000

TABULATED PRESSURE DATA - 0A22A

ARC11-716 0A22 01

REFERENCE DATA

SAEP = 2.4210 36. FT. XMRP = 29.5800 INCHES  
LREF = 38.7090 INCHES YMRP = .0000 INCHES  
BREF = 38.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0300 SCALE

MACH ( 1 ) = .595 ALPHA ( 1 ) = -14.370

DEPENDENT VARIABLE CP

SECTION ( 1 ) RIGHT VERTICAL

Z/8V	X/CV	CP
.000	.5915	.6036
.050	.2976	.1364
.100	.1431	.0775
.150	.0322	.0182
.200	-.1495	-.1078
.250	-.2157	-.0472
.300	-.1819	-.0333
.350	-.1473	-.1640
.400	.5915	.6036
.450	.2976	.1364
.500	.1431	.0775
.550	.0322	.0182
.600	-.1495	-.1078
.650	-.2157	-.0472
.700	-.1819	-.0333
.750	-.1473	-.1640
.800	.5915	.6036
.850	.2976	.1364
.900	.1431	.0775
.950	.0322	.0182
.000	.5915	.6036
.050	.2976	.1364
.100	.1431	.0775
.150	.0322	.0182
.200	-.1495	-.1078
.250	-.2157	-.0472
.300	-.1819	-.0333
.350	-.1473	-.1640
.400	.5915	.6036
.450	.2976	.1364
.500	.1431	.0775
.550	.0322	.0182
.600	-.1495	-.1078
.650	-.2157	-.0472
.700	-.1819	-.0333
.750	-.1473	-.1640
.800	.5915	.6036
.850	.2976	.1364
.900	.1431	.0775
.950	.0322	.0182

MACH ( 1 ) = .597 ALPHA ( 2 ) = -9.790

DEPENDENT VARIABLE CP

SECTION ( 1 ) RIGHT VERTICAL

Z/8V	X/CV	CP
.000	.5336	.5393
.050	.1396	.0920
.100	.0671	.0387
.150	.0009	-.0183
.200	-.1838	-.1329
.250	-.2140	-.0365
.300	-.1743	-.0422
.350	-.1487	-.1529
.400	.5336	.5393
.450	.1396	.0920
.500	.0671	.0387
.550	.0009	-.0183
.600	-.1838	-.1329
.650	-.2140	-.0365
.700	-.1743	-.0422
.750	-.1487	-.1529
.800	.5336	.5393
.850	.1396	.0920
.900	.0671	.0387
.950	.0009	-.0183

MACH ( 1 ) = .598 ALPHA ( 3 ) = -4.790

DEPENDENT VARIABLE CP

SECTION ( 1 ) RIGHT VERTICAL

Z/8V	X/CV	CP
.000	.4759	.4750
.050	.0928	.0613
.100	.0359	.0086
.150	-.0372	-.0451
.200	-.1951	-.1729
.250	-.2173	-.0335
.300	.4759	.4750
.350	.0928	.0613
.400	.0359	.0086
.450	-.0372	-.0451
.500	-.1951	-.1729
.550	-.2173	-.0335
.600	.4759	.4750
.650	.0928	.0613
.700	.0359	.0086
.750	-.0372	-.0451
.800	-.1951	-.1729
.850	-.2173	-.0335
.900	.4759	.4750
.950	.0928	.0613

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(R82R11)

RIGHT VERTICAL

TABULATED PRESSURE DATA - 0422A

ARC11-716 0422 01

DATE 09 APR 75

MACH ( 1 ) = .598 ALPHA ( 3 ) = -4.790  
SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1580 .3160 .6000 .8400 .9250

X/CV  
.775 -.1876 -.0376 -.0295 -.0637 -.1324  
.900 -.1504 -.1695 -.1099 -.1438

MACH ( 1 ) = .598 ALPHA ( 4 ) = .180  
SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1580 .3160 .6000 .8400 .9250

X/CV  
.000 .4166 .4064 .4758 .4468 .4428  
.050 .0447 .0303 .0447 .0435 .0177  
.150 -.0094 -.0293 .0150 .0300 .0112  
.300 -.0733 -.0636 .0174 .0025 -.0208  
.520 -.2055 -.1940 .0000 -.0107 -.0511  
.685 -.2132 .0459 .0676 -.0074 -.1817  
.775 -.1644 -.0373 -.0422 -.0736 -.1467  
.900 -.1461 -.1738 -.1122 -.1290

MACH ( 1 ) = .597 ALPHA ( 5 ) = 5.220  
SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1580 .3160 .6000 .8400 .9250

X/CV  
.000 .3720 .3323 .4031 .3711 .3662  
.050 .0031 .0021 .0267 .0234 -.0134  
.150 -.0420 -.0515 -.0070 .0091 -.0120  
.300 -.1013 -.0844 -.0028 -.0084 -.0354  
.520 -.2179 -.2005 .0002 -.0212 -.0731  
.685 -.2095 .0375 .0538 -.0236 -.1702  
.775 -.1585 -.0355 -.0585 -.0781 -.1342  
.900 -.1519 -.1760 -.1186 -.1015



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(RBER11)

RIGHT VERTICAL

ARC11-716 0A22 01

MACH ( 1 ) = .597 ALPHA ( 6 ) = 19.260

SECTION ( 1 ) RIGHT VERTICAL DEFENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV  
 .000 .3428 .3077 .3503 .3099 .3037  
 .050 -.0324 -.0268 .0109 .0138 -.0144  
 .150 -.0668 -.0681 -.0107 .0012 -.0196  
 .300 -.1181 -.0994 -.0137 -.0189 -.0355  
 .520 -.2230 -.2081 .0000 -.0177 -.0673  
 .685 -.2055 .0427 .0454 -.0376 -.1600  
 .775 -.1516 -.0363 -.0632 -.0736 -.1074  
 .900 -.1452 -.1729 -.1124 -.0812

MACH ( 1 ) = .597 ALPHA ( 7 ) = 14.850

SECTION ( 1 ) RIGHT VERTICAL DEFENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV  
 .000 .3225 .2778 .3148 .2936 .2538  
 .050 -.0502 -.0534 -.0082 .0009 -.0220  
 .150 -.0888 -.0835 -.0254 -.0147 -.0304  
 .300 -.1357 -.1148 -.0227 -.0331 -.0492  
 .520 -.2426 -.2200 .0000 -.0349 -.0756  
 .685 -.2254 .0342 .0377 -.0478 -.1496  
 .775 -.1740 -.0584 -.0663 -.0898 -.1131  
 .900 -.1472 -.1827 -.1171 -.0969

MACH ( 2 ) = .902 ALPHA ( 1 ) = -14.470

SECTION ( 1 ) RIGHT VERTICAL DEFENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV  
 .000 .6512 .6465 .7149 .7159 .7125  
 .050 .2726 .1745 .1080 .1474 .1057  
 .150 .1944 .1332 .1064 .1080 .1019  
 .300 .1061 .0564 .0950 .0843 .0657  
 .520 -.0839 -.1290 .0000 .0672 .0195  
 .685 -.2740 .0944 .2071 .1062 -.3978  
 .775 -.2134 -.0087 .0840 -.0960 -.3341  
 .900 -.0830 -.0527 -.2355 -.3368

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(882R11)

RIGHT VERTICAL

ARC11-716 0A22 01

MACH ( 2 ) = .901 ALPHA ( 2 ) = -9.870

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1580 .3160 .6000 .8400 .9250

X/CV

.000 .5681 .5606 .6397 .6285 .6246  
 .050 .1830 .0895 .0561 .1353 .0745  
 .150 .1012 .0573 .0619 .1026 .0712  
 .300 .0202 -.0048 .0601 .0750 .0361  
 .520 -.1458 -.1590 .0000 .0611 .0040  
 .685 -.2592 .0813 .1782 .0833 -.2990  
 .775 -.1994 -.0106 .0592 -.0767 -.2679  
 .900 -.0775 -.0483 -.2105 -.2849

MACH ( 2 ) = .902 ALPHA ( 3 ) = -4.830

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1580 .3160 .6000 .8400 .9250

X/CV

.000 .4686 .4611 .5600 .5497 .5465  
 .050 .0923 .0177 .0277 .1120 .0644  
 .150 .0057 -.0027 .0416 .0772 .0516  
 .300 -.0601 -.0524 .0458 .0548 .0214  
 .520 -.1877 -.1808 .0000 .0451 -.0041  
 .685 -.2511 .0780 .1655 .0449 -.2702  
 .775 -.1843 .0044 .0468 -.0823 -.2391  
 .900 -.0577 -.0630 -.2183 -.2473

MACH ( 2 ) = .900 ALPHA ( 4 ) = .180

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1580 .3160 .6000 .8400 .9250

X/CV

.000 .5885 .5623 .4798 .4707 .4678  
 .050 .0012 -.0343 .0125 .0781 .0368  
 .150 -.0909 -.0524 .0165 .0554 .0289  
 .300 -.1244 -.0842 .0301 .0339 .0055  
 .520 -.2112 -.1982 .0000 .0106 -.0274  
 .685 -.2366 .0668 .1410 .0014 -.2816  
 .775 -.1703 .0009 .0223 .0986 .2383  
 .900 -.0746 -.0866 -.2319 -.2225



DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

(R02R11)

RIGHT VERTICAL

ARC11-716 0422 01

MACH ( 2 ) = .904 ALPHA ( 5 ) = 5.220

SECTION ( 1 ) RIGHT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .3422 .3029 .4095 .3955 .3910  
 .050 -.0903 -.0746 .0099 .0503 .0122  
 .100 -.1636 -.0869 .0072 .0353 .0108  
 .150 -.1323 -.1107 .0165 .0378 -.0245  
 .200 -.2126 -.2056 .0020 -.0019 -.0395  
 .250 -.1908 .0679 .1142 -.0484 -.2218  
 .300 -.1369 .0023 -.0015 -.1177 -.1961  
 .350 -.0737 -.1193 -.2328 -.1774

MACH ( 2 ) = .901 ALPHA ( 6 ) = 10.260

SECTION ( 1 ) RIGHT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .2603 .2342 .3576 .3351 .3308  
 .050 -.1868 -.1485 -.0406 .0300 -.0116  
 .100 -.1720 -.1199 -.0195 .0104 -.0101  
 .150 -.1877 -.1402 .0031 .0095 .0400  
 .200 -.2364 -.1941 .0000 .0132 .0373  
 .250 -.2091 .0269 .1045 .0708 .2078  
 .300 -.1716 .0279 .0112 .1216 .1971  
 .350 -.1015 -.1244 .2183 .1711

MACH ( 2 ) = .903 ALPHA ( 7 ) = 14.840

SECTION ( 1 ) RIGHT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .2990 .1530 .2903 .2884 .2802  
 .050 -.2486 -.3855 -.0866 .0103 -.0160  
 .100 -.2890 .2945 -.0547 .0022 -.0252  
 .150 -.3709 .2483 .0233 .0139 .0528  
 .200 -.3303 .2299 .0000 .0246 .0722  
 .250 -.2374 .0158 .0798 .0861 .2416  
 .300 -.2208 .0434 .0267 .1331 .2272  
 .350 -.1124 .1288 .2412 .2086

DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

(RB2R12) ( 08 NOV 75 )

RIGHT VERTICAL

ARC11-716 0422 01

PARAMETRIC DATA

BETA = .000 ELEVON = .000  
RUDDER = .000 SFOBRK = .000

REFERENCE DATA

SMRP = 2.4210 50.171. XMRP = 29.5800 INCHES  
LREF = 38.7090 INCHES YMRP = .0000 INCHES  
BREF = 38.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0300 SCALE

MACH ( 1 ) = .596 ALPHA ( 1 ) = -14.450

SECTION ( 1 ) RIGHT VERTICAL DEFENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .5961 .6171 .7138 .6916 .6788  
.050 .2141 .1620 .1000 .2011 .1648  
.150 .1615 .1138 .1248 .1858 .1517  
.300 .0787 .0595 .2025 .1921 .1331  
.520 .1225 .1035 .0000 .2522 .0862  
.685 .2047 .3358 .4295 .2913 .2302  
.775 .2012 .1525 .2039 .1130 .2133  
.900 .0160 .0121 .0348 .0246

MACH ( 1 ) = .596 ALPHA ( 2 ) = -9.830

SECTION ( 1 ) RIGHT VERTICAL DEFENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .5373 .5552 .6447 .6147 .6088  
.050 .1539 .1197 .1584 .1617 .1334  
.150 .0997 .0655 .1031 .1572 .1212  
.300 .0232 .0231 .1708 .1587 .1355  
.520 .1589 .0339 .0000 .2279 .0659  
.685 .2128 .3138 .3900 .2494 .2510  
.775 .2072 .1484 .1747 .0847 .2253  
.900 .0282 .0373 .0641 .0641 .2427

MACH ( 1 ) = .597 ALPHA ( 3 ) = -4.820

SECTION ( 1 ) RIGHT VERTICAL DEFENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .4768 .4829 .5679 .5328 .5247  
.050 .1025 .0771 .1248 .1401 .0986  
.150 .0431 .0332 .0754 .1329 .0907  
.300 .0231 .0094 .1480 .1323 .0788  
.520 .1819 .0306 .0000 .1979 .0369  
.685 .2129 .3303 .3456 .2021 .2507



DATE 29 APR 73 TABULATED PRESSURE DATA - 0422A

(R82812)

RIGHT VERTICAL

ARC11-716 0422 01

MACH ( 1 ) = .597 ALPHA ( 3 ) = -4.820

SECTION ( 1 ) RIGHT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1580 .3160 .6030 .8400 .9250

X/CV

.775 -.2033 .1368 .1456 .0566 -.2173  
.900 -.0399 -.0656 -.0853 -.2197

MACH ( 1 ) = .598 ALPHA ( 4 ) = .090

SECTION ( 1 ) RIGHT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1580 .3160 .6030 .8400 .9250

X/CV

.000 .4220 .4187 .5010 .4553 .4489  
.050 .0501 .0464 .0909 .1063 .0687  
.150 -.0021 -.0032 .0531 .1054 .0696  
.300 -.0604 -.0350 .1202 .1039 .0520  
.520 -.2033 -.0672 .0000 .1678 .0190  
.685 -.2280 .2854 .3107 .1648 -.2460  
.775 -.2209 .1289 .1145 .0335 -.2092  
.900 -.0409 -.0900 -.1013 -.2022

MACH ( 1 ) = .597 ALPHA ( 5 ) = 5.190

SECTION ( 1 ) RIGHT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1580 .3160 .6030 .8400 .9250

X/CV

.000 .3741 .3813 .4358 .3854 .3770  
.050 .0389 .0211 .0867 .0896 .0447  
.150 -.0331 -.0290 .0365 .0836 .0489  
.300 -.0685 -.0510 .1040 .0800 .0364  
.520 -.2056 -.0591 .0000 .1428 .0080  
.685 -.2124 .2732 .2766 .1315 -.2227  
.775 -.1866 .1282 .0903 .0157 -.1953  
.900 -.0409 -.1060 -.0995 -.1638

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TABULATED PRESSURE DATA - 0422A

DATE 09 APR 73

(R0812)

RIGHT VERTICAL

ARC11-716 0422 01

MACH ( 1 ) = .596 ALPHA ( 6 ) = 10.220

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V	.1500	.3160	.6000	.8400	.9250
X/CV					
.000	.3446	.3214	.3793	.3189	.3058
.050	-.0234	-.0078	.0699	.0787	.0447
.100	-.0601	-.0469	.0256	.0652	.0320
.150	-.1024	-.0612	.0901	.0634	.0148
.200	-.2088	-.0636	.0900	.1197	-.0039
.250	-.2054	.2761	.2505	.0933	-.1971
.300	-.1750	.1304	.0720	.0074	-.1584
.350	-.0341	-.1109	-.0997	-.1293	

MACH ( 1 ) = .596 ALPHA ( 7 ) = 14.790

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V	.1500	.3160	.6000	.8400	.9250
X/CV					
.000	.3256	.2884	.3355	.2709	.2569
.050	-.0480	-.0354	.0457	.0535	.0235
.100	-.0620	-.0618	.0135	.0481	.0135
.150	-.1224	-.0751	.0761	.0487	.0014
.200	-.2325	-.0772	.0900	.0988	-.0231
.250	-.2228	.2661	.2324	.0794	-.2058
.300	-.1982	.1278	.0631	-.0106	-.1745
.350	-.0335	-.1141	-.1052	-.1443	

MACH ( 2 ) = .903 ALPHA ( 1 ) = -14.490

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V	.1500	.3160	.6000	.8400	.9250
X/CV					
.000	.6342	.6634	.7523	.7434	.7297
.050	.2878	.1995	.2108	.2692	.2385
.100	.2168	.1597	.2275	.2646	.2318
.150	.1297	.1064	.2774	.2771	.2209
.200	-.0540	.0384	.0900	.3612	.1970
.250	-.2445	.4400	.5407	.3633	-.3312
.300	-.2235	.2590	.3389	.1549	-.2806
.350		.1079	.1472	-.0647	-.3308





DATE 08 APR 75 TABULATED PRESSURE DATA - 0422A

(RB2012)

RIGHT VERTICAL

ARC11-716 0422 01

MACH ( 2 ) = .900 ALPHA ( 2 ) = -9.880

SECTION ( 1 ) RIGHT VERTICAL DEFICIENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .5762 .5797 .6800 .6641 .6515  
 .050 .1936 .1270 .1584 .2390 .2072  
 .150 .1251 .0874 .1845 .2281 .1996  
 .300 .0511 .0420 .2421 .2582 .1878  
 .520 -.1131 -.0272 .0000 .3236 .1651  
 .685 -.2224 .4222 .5001 .3124 -.3318  
 .775 -.1884 .2405 .3043 .1250 -.3106  
 .900 .0975 .1220 .0995 -.3307

MACH ( 2 ) = .898 ALPHA ( 3 ) = -4.840

SECTION ( 1 ) RIGHT VERTICAL DEFICIENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .4728 .4832 .6044 .5881 .5721  
 .050 .1075 .0466 .1410 .2149 .1703  
 .150 .0344 .0221 .1554 .2072 .1705  
 .300 -.0270 -.0128 .2173 .2105 .1934  
 .520 -.1562 -.0495 .0300 .2873 .1298  
 .685 -.2102 .4059 .4634 .2603 -.3228  
 .775 -.1783 .2337 .2748 .0937 -.3004  
 .900 .0968 .0860 .1365 -.3120

MACH ( 2 ) = .902 ALPHA ( 4 ) = .210

SECTION ( 1 ) RIGHT VERTICAL DEFICIENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .3971 .3820 .3286 .5067 .4968  
 .050 .0173 .0021 .1036 .1787 .1381  
 .150 -.0670 -.0229 .1277 .1731 .1374  
 .300 -.0943 -.0461 .1919 .1770 .1202  
 .520 -.1758 -.0658 .0000 .2442 .0974  
 .685 -.2009 .3841 .4255 .2017 -.3321  
 .775 -.1717 .2187 .2420 .0624 -.3150  
 .900 .0885 .0661 .1113 -.3221

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(R82812)

RIGHT VERTICAL

ARC11-716 0A22 01

MACH ( 2 ) = .900 ALPHA ( 5 ) = 5.170

SECTION ( 1 ) RIGHT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .3478 .3133 .4548 .4376 .4172  
 .050 -.0622 -.0692 .0943 .1465 .1042  
 .150 -.1296 -.0642 .1068 .1454 .1094  
 .300 -.1325 -.0663 .1676 .1441 .0877  
 .520 -.1903 -.0676 .0300 .2032 .0603  
 .685 -.1865 .3721 .3715 .1494 -.3009  
 .775 -.1627 .2192 .2023 .0349 -.2876  
 .900 .0917 .0264 -.1903 -.2921

MACH ( 2 ) = .902 ALPHA ( 6 ) = 10.260

SECTION ( 1 ) RIGHT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .2750 .2552 .4060 .3729 .3638  
 .050 -.1833 -.1272 .0611 .1220 .0929  
 .150 -.1525 -.0907 .0731 .1212 .0854  
 .300 -.1533 -.0975 .1462 .1256 .0758  
 .520 -.2069 -.0703 .0000 .1812 .0416  
 .685 -.1936 .3031 .3525 .1132 -.2756  
 .775 -.1639 .1754 .1861 .0235 -.2432  
 .900 .0671 .0174 -.1840 -.2521

MACH ( 2 ) = .900 ALPHA ( 7 ) = 14.840

SECTION ( 1 ) RIGHT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .3100 .1726 .3516 .3292 .3110  
 .050 -.2762 -.3356 .0505 .1035 .0636  
 .150 -.2639 -.2034 .0361 .0991 .0506  
 .300 -.2800 -.1643 .1266 .1016 .0390  
 .520 -.2881 -.0915 .0000 .1508 .0095  
 .685 -.2553 .3017 .3218 .0638 -.2677  
 .775 -.2383 .1728 .1629 .0079 -.2685  
 .900 .0649 .0052 -.2321 -.2739



DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

ARC11-716 0422 01

RIGHT VERTICAL

(RB2R13) ( 03 JAN 74 )

PARAMETRIC DATA

MACH = .600 ELEVON = .000  
RUDDER = .000 SPDBRK = .000

REFERENCE DATA

SREF = 2.4210 50. FT. TWRP = 29.5000 INCHES  
LREF = 34.7390 INCHES TWRP = .0000 INCHES  
BREF = 34.7390 INCHES TWRP = .0000 INCHES  
SCALE = .0500 SCALE

ALPHA ( 1 ) = -10.030 BETA ( 1 ) = -9.870  
SECTION ( 1 ) RIGHT VERTICAL DEFICIENT VARIABLE CP

Z/8V	.1500	.3100	.6000	.8400	.9250
W/CV					
.000	-.1403	-.3409	-.3182	.0530	.0183
.050	-.8547	-.8165	-1.0390	-.6268	-.5284
.100	-.9832	-.7369	-.9918	-.6147	-.5411
.150	-.2342	-.5889	-.8755	-.5835	-.5420
.200	-.3290	-.4515	-.7521	-.4786	-.4287
.250	-.2848	-.4179	-.4973	-.3799	-.2965
.300	-.2422	-.3075	-.3961	-.3447	-.2573
.350		-.2122	-.2799	-.2834	-.2358

ALPHA ( 2 ) = -10.010 BETA ( 2 ) = 10.110

SECTION ( 1 ) RIGHT VERTICAL DEFICIENT VARIABLE CP

Z/8V	.1500	.3100	.6000	.8400	.9250
W/CV					
.000	-.1672	-.4982	-.3468	-.2294	.0688
.050	.5433	.5205	.5301	.5385	.4240
.100	.4033	.3666	.3598	.3456	.2528
.150	.2998	.2131	.1951	.1543	.0839
.200	-.0336	-.1429	-.0358	-.2224	-.1691
.250	-.2365	-.2027	-.2330	-.3184	-.2581
.300	-.1937	-.1420	-.1660	-.1980	-.1651
.350		-.1277	-.1425	-.1754	-.1835

ALPHA ( 2 ) = -.110 BETA ( 2 ) = -9.980

SECTION ( 1 ) RIGHT VERTICAL DEFICIENT VARIABLE CP

Z/8V	.1500	.3100	.6000	.8400	.9250
W/CV					
.000	-.3018	-.8210	-.5631	-.2259	-.2116
.050	-1.0320	-.8487	-1.0350	-.6494	-.5246
.100	-1.1790	-.8816	-1.0200	-.6183	-.5170
.150	-.3390	-.7580	-.9793	-.5608	-.4845
.200	-.3390	-.4742	-.7574	-.4693	-.3968
.250	-.2724	-.4107	-.4492	-.3035	-.3188

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(RBSM13)

RIGHT VERTICAL

DATE 09 APR 75 TABULATED PRESSURE DATA - QAZ2A

ARC11-716 QAZ2 01

ALPHA ( 2 ) = -.110 BETA ( 1 ) = -9.980

SECTION ( 1 ) RIGHT VERTICAL DEFICIENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

K/CV

.775 -.2400 -.3017 -.3126 -.3402 -.2760  
.900 -.2115 -.1797 -.2966 -.2233

ALPHA ( 2 ) = -.120 BETA ( 2 ) = 10.010

SECTION ( 1 ) RIGHT VERTICAL DEFICIENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

K/CV

.000 -.2942 -.6432 -.5932 -.4330 -.1377  
.300 .4460 .4270 .4269 .4333 .3303  
.150 .3177 .2890 .2931 .2592 .1802  
.330 .1862 .1531 .1464 .1019 .0333  
.520 -.0734 -.1609 -.0737 -.2347 -.1807  
.605 -.2634 -.2131 -.2133 -.3043 -.2430  
.775 -.2314 -.1553 -.1481 -.2373 -.1844  
.900 -.1445 -.1354 -.1830 -.1324

ALPHA ( 3 ) = 10.150 BETA ( 1 ) = -9.860

SECTION ( 1 ) RIGHT VERTICAL DEFICIENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

K/CV

.000 -.4431 -.8159 -.7350 -.5084 -.4183  
.300 -1.1330 -.9370 -.9053 -.6731 -.4629  
.150 -.8819 -1.0190 -.9726 -.6733 -.4482  
.330 -.5943 -.8832 -1.0343 -.6254 -.3952  
.520 -.3378 -.3164 -.6537 -.5092 -.3368  
.605 -.1985 -.2426 -.2886 -.4330 -.2873  
.775 -.1822 -.2303 -.2333 -.3934 -.2562  
.900 -.2178 -.1631 -.3379 -.2239



(R02R13)

RIGHT VERTICAL

DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

ARC11-716 0422 01

ALPHA ( 3 ) = 10.100 BETA ( 2 ) = 10.110

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/94 .1500 .3100 .6020 .8403 .9250

W/CV

.020	-.4303	-.9793	-.7449	-.6119	-.3246
.050	-.3632	-.3549	-.3351	-.3303	-.2393
.100	-.2727	-.4432	-.2393	-.2292	-.1319
.200	-.1503	-.1267	-.1255	-.0906	-.0013
.320	-.0747	-.1390	-.0851	-.2209	-.1617
.440	-.2533	-.2314	-.1748	-.2322	-.2103
.570	-.1871	-.1622	-.1318	-.1921	-.1671
.700		-.1721	-.1125	-.1893	-.1978



ARC11-716 0422 01

RIGHT VERTICAL

(R82R14) ( 03 'AN 74 )

## REFERENCE DATA

SREF = 2.4210 50. FT. XMRP = 29.5000 INCHES  
 LREF = 38.7790 INCHES YMRP = .0000 INCHES  
 BR.F = 38.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0000 SCALE

ALPHA ( 1 ) = -10.160 BETA ( 1 ) = -9.960

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .2367 .0836 .1301 .2352 .1579  
 .050 .5880 .8854 .9783 .6212 .5129  
 .100 .7544 .9021 .9066 .6172 .5162  
 .150 .3120 .8209 .8607 .6021 .5011  
 .200 .4877 .6431 .7595 .5379 .4760  
 .250 .685 .4420 .5750 .6384 .4638 .3955  
 .300 .775 .2735 .4297 .5693 .4292 .3749  
 .350 .903 .3308 .4993 .4049 .3528

ALPHA ( 1 ) = -10.160 BETA ( 2 ) = 10.070

SECTION ( 1 ) RIGHT VERTICAL

DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .2367 .0464 .0599 .0139 .1586  
 .050 .5943 .5524 .5140 .4795 .4134  
 .100 .4608 .4119 .3662 .3318 .2562  
 .150 .3246 .2690 .2191 .1575 .0673  
 .200 .0568 .0740 .0156 .1790 .2744  
 .250 .685 .3007 .4276 .9530 .9007 .9441  
 .300 .775 .2474 .2252 .4006 .8684 .9279  
 .350 .903 .2438 .2792 .4539 .3126

ALPHA ( 2 ) = -1.160 BETA ( 1 ) = -9.950

SECTION ( 1 ) RIGHT VERTICAL

DEPENDENT VARIABLE

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .1448 .0651 .1029 .0285 .1001  
 .050 .6396 .10210 .0170 .5892 .4862  
 .100 .0953 .10460 .9236 .5785 .4862  
 .150 .4778 .9183 .7982 .5565 .4782  
 .200 .6504 .6026 .7244 .5121 .4776  
 .250 .685 .3850 .4302 .6224 .4663 .3941



DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

ARC11-716 0422 01

RIGHT VERTICAL

(R2R14)

ALPHA ( 2 ) = -.160 BETA ( 1 ) = -9.950

SECTION ( 1 ) RIGHT VERTICAL DEFENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.775 -.2376 -.3369 -.5662 -.4376 -.13795  
.900 -.2744 -.4858 -.4031 -.3455

ALPHA ( 2 ) = -.180 BETA ( 2 ) = 10.000

SECTION ( 1 ) RIGHT VERTICAL DEFENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .1364 -.0874 -.1722 -.2357 -.0797  
.050 .4753 .4409 .4027 .3787 .3118  
.150 .3490 .3162 .2808 .2468 .1593  
.300 .2368 .1912 .1519 .0920 -.0176  
.520 -.0005 -.1200 -.0894 -.2303 -.3337  
.665 -.5137 -.4005 -.4888 -.6613 -.7836  
.775 -.2529 -.1907 -.2981 -.4449 -.5453  
.900 -.2567 -.2371 -.4409 -.3270

ALPHA ( 3 ) = 10.050 BETA ( 1 ) = -9.870

SECTION ( 1 ) RIGHT VERTICAL DEFENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .0656 -.2161 -.3540 -.3124 -.3404  
.050 -.0659 -1.0690 -1.0290 -.5793 -.4866  
.150 -.4166 -1.0980 -1.0300 -.5640 -.4546  
.300 -.3389 -.7401 -1.0620 -.5340 -.4483  
.520 -.4405 -.3183 -.9875 -.4832 -.4221  
.665 -.2796 -.2763 -.3849 -.4653 -.3774  
.775 -.2356 -.2667 -.2215 -.4553 -.3644  
.900 -.2679 -.1316 -.4105 -.3433

DATE 05 APR 75 TABULATED PRESSURE DATA - 0A22A

(R02014)

RIGHT VERTICAL

ARC11-716 0A22 01

ALPHA ( 3 ) = 10.120 BETA ( 2 ) = 10.100

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV	.1500	.3160	.6000	.8400	.9250
X/CV					
.000	.0473	-.2439	-.4339	-.5503	-.3154
.030	.2177	.3178	.3091	.2855	.2387
.150	.1333	.2180	.2094	.1897	.1053
.300	.0687	.1237	.0367	.0391	-.0417
.520	-.0761	-.1138	-.1107	-.2334	-.2352
.685	-.2940	-.1138	-.3834	-.3426	-.3947
.775	-.2384	-.1939	-.2229	-.2432	-.2072
.900		-.2389	-.1815	-.2324	-.2725





DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

RIGHT VERTICAL (R02R15) ( 03 JAN 74 )

ARC11-716 0422 01

PARAMETRIC DATA

MACH = .600 ELEVON = -20.000  
RUDDER = .000 SPDRK = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES  
LREF = 38.7090 INCHES YMRP = .0000 INCHES  
BREF = 38.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

ALPHA ( 1 ) = -9.900 BETA ( 1 ) = -9.880

SECTION ( 1 ) RIGHT VERTICAL DEFENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 -.1532 -.4251 -.3696 .0479 .0356  
.050 -.8300 -.7652 -.9374 -.5904 -.4770  
.150 -.9870 -.7029 -.9218 -.5695 -.4817  
.300 -.1892 -.5784 -.8499 -.5260 -.4654  
.520 -.2725 -.4175 -.4105 -.4046 -.3733  
.685 -.2408 -.3831 -.4664 -.3345 -.2679  
.775 -.1946 -.2742 -.3629 -.3017 -.2331  
.900 -.1893 -.2260 -.2358 -.1985

ALPHA ( 1 ) = -9.880 BETA ( 2 ) = 10.100

SECTION ( 1 ) RIGHT VERTICAL DEFENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 -.1599 -.4851 -.3350 -.2639 .0472  
.050 .5697 .5429 .5279 .4989 .4378  
.150 .4378 .3952 .3124 .3354 .2835  
.300 .2923 .2388 .2125 .1611 .1124  
.520 .0134 .1076 .2163 .1943 .1344  
.685 .1934 .1767 .1943 .2847 .2237  
.775 .1423 .1183 .1209 .1706 .1383  
.900 .1091 .1040 .1344 .1412

ALPHA ( 2 ) = -.220 BETA ( 1 ) = -9.970

SECTION ( 1 ) RIGHT VERTICAL DEFENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 -.2595 -.6041 -.6170 .2824 -.2125  
.050 .9807 .8674 .9965 .5229 .4736  
.150 -1.0990 -.8114 -1.0230 .6030 .4597  
.300 .2603 .6994 -1.0210 .5419 .4155  
.520 .3116 .4176 .3795 .4274 .3561  
.685 .2290 .3676 .3450 .3624 .3000

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DATE 09 APR 75 TABULATED PRESSURE DATA - C022A

(R02R15)

RIGHT VERTICAL

ARC11-716 C022 01

ALPHA ( 2 ) = -.220 BETA ( 1 ) = -9.970

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.775 -.1936 -.2547 -.2324 -.3321 -.2582  
.900 -.1842 -.1067 -.2802 -.2014

ALPHA ( 2 ) = .080 BETA ( 2 ) = 10.010

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 -.2862 -.7029 -.5888 -.4271 -.1445  
.030 .4791 .4519 .4361 .4108 .3364  
.150 .3576 .3226 .2603 .2721 .2041  
.300 .2230 .1886 .1759 .1175 .0506  
.520 -.0350 -.1287 -.1057 -.2078 -.1608  
.685 -.2090 -.1884 -.1774 -.2710 -.2130  
.775 -.1903 -.1290 -.1223 -.1884 -.1555  
.900 -.1153 -.1024 -.1556 -.1608

ALPHA ( 3 ) = 10.210 BETA ( 1 ) = -9.860

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 -.4118 -.7533 -.7533 -.5563 -.4731  
.030 -1.0900 -.8706 -.8727 -.6649 -.4611  
.150 -.6738 -.9777 -.9677 -.6605 -.4238  
.300 -.3555 -.7575 -1.0040 -.6463 -.3959  
.520 -.2473 -.2515 -.5694 -.5323 -.3754  
.685 -.1593 -.2104 -.2711 -.4216 -.2924  
.775 -.1637 -.2103 -.2149 -.4088 -.2488  
.900 -.2232 -.1243 -.3253 -.2301



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(R22R15)

RIGHT VERTICAL

ARC11-716 0A22 01

ALPHA ( 3 ) = 10.150 BETA ( 2 ) = 10.110

SECTION ( 1 ) RIGHT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1500 .3100 .6000 .8400 .9250

X/CV

.000 -.3995 -.8681 -.7456 -.6222 -.7097  
 .050 .4072 .3803 .3483 .3294 .2493  
 .150 .5022 .2807 .2219 .2263 .1541  
 .300 .1927 .1493 .1478 .1001 .0221  
 .500 -.0436 -.1156 -.3448 -.1914 -.1222  
 .685 -.2139 -.2230 -.1353 -.2117 -.1974  
 .775 -.1308 -.1422 -.0981 -.1584 -.1353  
 .900 -.1584 -.0850 -.1602 -.1694



TABULATED PRESSURE DATA - 0422A

DATE 06 APR 75

(RB2R16) ( 03 JAN 74 )

RIGHT VERTICAL

ARC11-716 0422 01

PARAMETRIC DATA

MACH = .900 ELEVON = -20.000  
RUDDER = .000 SPDBRK = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES  
LREF = 38.7080 INCHES YMRP = .0000 INCHES  
BREF = 38.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0300 SCALE

ALPHA ( 1 ) = -10.060 BETA ( 1 ) = -9.900

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .1967 -.0091 .0298 .1891 .1132  
.050 -.6138 -.9182 -.9043 -.5764 -.4881  
.100 -.1517 -.9655 -.8374 -.5777 -.4888  
.150 -.2391 -.8797 -.7935 -.5417 -.4834  
.200 -.4882 -.5555 -.7239 -.5012 -.4715  
.250 -.5172 -.5444 -.6200 -.4381 -.4072  
.300 -.5383 -.5361 -.5681 -.4222 -.3954  
.350 -.2426 -.5184 -.4013 -.3725

ALPHA ( 1 ) = -10.060 BETA ( 2 ) = 10.060

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .1903 -.0516 -.0188 -.0206 .1237  
.050 .6425 .5961 .5409 .4865 .4151  
.100 .5160 .4579 .3484 .3327 .2597  
.150 .3828 .3086 .2364 .1591 .0705  
.200 .0951 -.0491 -.4420 -.1903 -.2579  
.250 -.2337 -.4206 -.7728 .8927 .3255  
.300 -.2233 -.1952 -.3545 .7785 .8825  
.350 -.2519 -.2721 .4578 .1285

ALPHA ( 2 ) = .010 BETA ( 1 ) = -9.970

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .1204 -.1274 -.1801 -.0668 .1122  
.050 -.5631 .1330 .9037 .5732 .4885  
.100 -.9023 .1350 .8586 .5422 .4874  
.150 -.4548 .9451 .8197 .5248 .4801  
.200 -.6141 .4334 .7277 .1305 .4833  
.250 -.2723 .3721 .6404 .4516 .4019



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(R02R16)

RIGHT VERTICAL

ARC11-716 0A22 01

ALPHA ( 2 ) = .010 BETA ( 1 ) = -9.970

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3150 .6000 .8400 .9250

X/CV

.775 -.2326 -.2789 -.5846 -.4345 -.3697  
.900 -.2490 -.4879 -.4024 -.3380

ALPHA ( 2 ) = .090 BETA ( 2 ) = 10.000

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3100 .6000 .8400 .9250

X/CV

.000 .1069 -.1674 -.2469 -.2593 -.0960  
.090 .9337 .4806 .4165 .3794 .3079  
.150 .4118 .3543 .2657 .2513 .1704  
.300 .2903 .2238 .1577 .1000 .0105  
.520 .0379 -.0958 -.0465 -.2343 -.3118  
.685 -.2939 -.4003 -.4206 -.5448 -.7251  
.775 -.2153 -.1653 -.2608 -.4305 -.5018  
.900 -.2136 -.2223 -.4441 -.2501

ALPHA ( 3 ) = 10.210 BETA ( 1 ) = -9.880

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3100 .6000 .8400 .9250

X/CV

.000 .0385 -.2643 -.3951 -.3860 -.4118  
.090 -.7351 -1.0480 -.9191 -.6841 -.5041  
.150 -.4643 -1.1080 -.9384 -.6410 -.4926  
.300 .5559 -.6047 -1.0180 -.6073 -.4672  
.520 -.3689 -.2880 -.8245 -.5577 -.4314  
.685 -.2731 -.2999 -.5660 -.4934 -.3775  
.775 -.2390 -.2965 -.3459 -.4915 -.3431  
.900 -.3001 -.1795 -.4569 -.3504

DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

(R2R16)

RIGHT VERTICAL

ARC11-716 0422 01

ALPHA ( 3 ) = 10.220 BETA ( 2 ) = 10.120

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3180 .6000 .8400 .9250

W/CV

.030	-.0315	-.2735	-.4619	-.5860	-.5493
.050	-.2484	-.3508	-.3134	-.2871	-.2379
.100	-.1696	-.2470	-.1626	-.1879	-.1221
.150	-.0993	-.1432	-.1077	-.0565	-.0368
.200	-.0579	-.1009	-.0433	-.2570	-.2282
.250	-.2736	-.4040	-.3496	-.3506	-.3565
.300	-.2332	-.1927	-.2278	-.2403	-.1803
.350		-.2503	-.1924	-.2280	-.2562



DATE 08 APR 75 TABULATED PRESSURE DATA - 0A22A

(R02V01) ( 08 NOV 75 )

LEFT VERTICAL

PARAMETRIC DATA

BETA = .000 ELEVON = .000  
RUDDER = .000 SPODBRK = .000

REFERENCE DATA

MACF = 2.4210 30. FT. XMRP = 29.5000 INCHES  
LREF = 30.7000 INCHES YMRP = .0000 INCHES  
BREF = 30.7000 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

MACH ( 1 ) = .597 ALPHA ( 1 ) = -14.400

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV  
.000 .5044 .5003 .6537 .6623 .6803  
.025 -.0639 -.2203 -.3000 -.2449 -.4543  
.050 .1590 .0630 -.0272 -.0456 -.0677  
.100 .1145 .0407 -.0233 -.0513 -.0545  
.150 .0191 -.0347 -.0942 -.0982 -.1034  
.200 .1047 -.2396 -.3262 -.3300 -.2344  
.250 .2162 -.3400 -.3751 -.4917 -.3480  
.300 .1542 -.1636 -.1936 -.2207 -.1377  
.350 .1021 -.0592 -.0346 -.0134

MACH ( 1 ) = .596 ALPHA ( 2 ) = -9.840

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV  
.000 .5253 .5232 .5090 .5050 .6054  
.025 -.1511 -.2329 -.3214 -.2190 -.4357  
.050 .1003 .0251 -.0312 -.0614 -.0660  
.100 .0614 .0321 -.0900 -.0728 -.0690  
.150 .0206 -.0269 -.1121 -.1006 -.1135  
.200 .2109 .2463 .3259 .3287 .2371  
.250 .2207 .3437 .3505 .4489 .3347  
.300 .1637 .2026 .1927 .1000 .1339  
.350 .1121 .0020 .0325 .0123

(R82VD1)

LEFT VERTICAL

DATE 09 APR 75 TABULATED PRESSURE DATA - 04224

ARC11-716 0422 01

MACH ( 1 ) = .596 ALPHA ( 3 ) = -4.850

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6030 .8400 .9250

W/CV

.000 .4649 .4533 .3210 .3009 .5160  
 .025 -.2079 -.3061 -.3239 -.2084 -.4437  
 .050 .0370 .0315 .0752 .0934 .1067  
 .150 -.0320 .0431 .0698 .0537 .0909  
 .300 .0792 .1209 .1321 .1268 .1326  
 .520 .2263 .2617 .3299 .3163 .2384  
 .685 .2212 .3591 .3629 .4097 .3113  
 .775 .1608 .2102 .1916 .1735 .1242  
 .900 .1247 .0699 .0241 .0172

MACH ( 1 ) = .597 ALPHA ( 4 ) = .080

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6030 .8400 .9250

W/CV

.000 .4110 .3934 .4454 .4285 .4430  
 .025 .2506 .3327 .3395 .2095 .4269  
 .050 .0151 .0601 .0810 .1167 .1202  
 .150 .0424 .0752 .0926 .1086 .1032  
 .300 .1056 .1187 .1454 .1388 .1363  
 .520 .2345 .2643 .3222 .3062 .2294  
 .685 .2163 .3653 .3467 .3875 .2902  
 .775 .1724 .2115 .1955 .1793 .1166  
 .900 .1324 .0737 .0351 .0048

MACH ( 1 ) = .596 ALPHA ( 5 ) = 5.090

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6030 .8400 .9250

W/CV

.000 .3694 .3500 .3742 .3551 .3693  
 .025 .2902 .3424 .3222 .2379 .3914  
 .050 .0301 .0871 .0928 .1147 .1335  
 .150 .0803 .0942 .0939 .1186 .1083  
 .300 .1129 .1353 .1531 .1419 .1404  
 .520 .2400 .2563 .3169 .2690 .2251  
 .685 .2387 .3666 .3383 .3305 .2826  
 .775 .1793 .2108 .1911 .1722 .1169  
 .900 .1359 .0794 .0396 .0081





DATE 28 APR 75 TABULATED PRESSURE DATA - 0422A

(R829011)

LEFT VERTICAL

ARC11-710 J422 D1

MACH ( 1 ) = .598 ALPHA ( 6 ) = 10.100

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE C\*

Z/8V .1500 .3160 .6000 .8400 .9250

W/CV  
 .000 .3377 .2899 .3215 .2913 .3025  
 .025 .3277 .3452 .3039 .2451 .3551  
 .050 .0723 .1076 .1051 .1105 .1351  
 .100 .1037 .1070 .1146 .1105 .1098  
 .150 .1516 .1499 .1553 .1358 .1337  
 .200 .2524 .2603 .2373 .2570 .2141  
 .250 .2992 .3713 .3200 .3172 .2532  
 .300 .1722 .2110 .1819 .1477 .1533  
 .350 .1390 .1390 .0810 .0274 .0153

MACH ( 1 ) = .599 ALPHA ( 7 ) = 14.590

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE C\*

Z/8V .1500 .3160 .6000 .8400 .9250

W/CV  
 .000 .3181 .2629 .2851 .2718 .2515  
 .025 .3442 .3372 .2970 .2442 .3259  
 .050 .3684 .1237 .1114 .1009 .1234  
 .100 .1164 .1251 .1167 .1235 .1133  
 .150 .1599 .1593 .1565 .1408 .1375  
 .200 .2701 .2684 .3093 .2522 .2322  
 .250 .2322 .3634 .3183 .3597 .2744  
 .300 .1837 .2233 .1750 .1447 .1358  
 .350 .1463 .0779 .0339 .0005

MACH ( 2 ) = .902 ALPHA ( 1 ) = -14.570

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE C\*

Z/8V .1500 .3160 .6000 .8400 .9250

W/CV  
 .000 .6487 .6383 .6963 .6725 .6725  
 .025 .0116 .1618 .2768 .2932 .4082  
 .050 .2368 .1337 .0373 .0068 .2199  
 .100 .1794 .1314 .0287 .0172 .0261  
 .150 .3030 .0263 .0410 .0555 .0351  
 .200 .1175 .1357 .2180 .2550 .2441  
 .250 .3562 .7011 .1333 .0568 .3930  
 .300 .2318 .4476 .7225 .5147 .5478  
 .350 .2878 .4105 .3387 .2107

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DATE 09 APR 75 TABULATED PRESSURE DATA - 04224

(R02W01)

LEFT VERTICAL

ARC11-716 0422 01

MACH ( 2 ) = .898 ALPHA ( 2 ) = -9.730

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE OF

Z/8V .1500 .3160 .6000 .8400 .9250

W/CV

.000 .5634 .5514 .6123 .5809 .5869  
 .025 -.0023 -.2411 -.3332 -.3141 -.4528  
 .050 .1475 .0434 .0073 -.0611 -.2267  
 .150 .0744 .0235 -.0302 -.0681 -.0759  
 .300 -.0392 -.0407 -.0838 -.1516 -.1345  
 .520 -.1750 -.2307 -.2587 -.2337 -.2832  
 .685 -.3439 -.6410 -1.0083 -.5207 -.7302  
 .775 -.2732 -.4007 -.5565 -.4255 -.3293  
 .900 -.2804 -.5063 -.3103 -.1724

MACH ( 2 ) = .901 ALPHA ( 3 ) = -9.010

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE OF

Z/8V .1500 .3160 .6000 .8400 .9250

W/CV

.000 .4703 .4531 .5360 .5045 .5047  
 .025 -.1748 -.3243 -.3632 -.3274 -.4937  
 .050 .0579 .0379 .0479 .0358 .2221  
 .150 .0285 .0486 .0624 .0385 .1383  
 .300 .0345 .0344 .0118 .0239 .0618  
 .520 .2231 .2506 .2711 .3183 .3101  
 .685 .3120 .5294 .3563 .4569 .5324  
 .775 .2115 .3356 .4437 .3648 .1931  
 .900 .2417 .1811 .2727 .1263

MACH ( 2 ) = .902 ALPHA ( 4 ) = .080

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE OF

Z/8V .1500 .3160 .6000 .8400 .9250

W/CV

.000 .3940 .3526 .4582 .4189 .4224  
 .025 .2749 .3816 .3732 .3302 .4409  
 .050 .0319 .0346 .0929 .1234 .2238  
 .150 .1152 .0975 .0896 .1203 .1401  
 .300 .1150 .1259 .1349 .1461 .1685  
 .520 .2437 .2583 .2688 .3323 .3253  
 .685 .2823 .4856 .7763 .4527 .3403  
 .775 .2358 .3126 .3974 .3453 .1815  
 .900 .2218 .1842 .2035 .0750



DATE 29 APR 75 TABULATED PRESSURE DATA - 0422A

(RB2V01)

LEFT VERTICAL

ARC11-716 0422 01

WACH ( 2 ) = .903 ALPHA ( 5 ) = 5.073

SECTION ( 1 ) LEFT VERTICAL DEFICIENT VARIABLE CP

Z/8V .1500 .3160 .6030 .8400 .9250

K/CV

.000 .3409 .2800 .3601 .3417 .3462  
 .025 .3423 .4376 .3496 .3296 .4655  
 .050 .1112 .1572 .1019 .1307 .2060  
 .150 .1916 .1350 .0979 .1416 .1587  
 .300 .1926 .1403 .1439 .1661 .2039  
 .520 .1387 .2556 .3100 .3545 .3362  
 .685 .2242 .4961 .6617 .5566 .2819  
 .775 .1939 .2992 .3566 .2683 .1450  
 .900 .2594 .1561 .0948 .0519

WACH ( 2 ) = .904 ALPHA ( 6 ) = 10.140

SECTION ( 1 ) LEFT VERTICAL DEFICIENT VARIABLE CP

Z/8V .1500 .3160 .6030 .8400 .9250

K/CV

.000 .2706 .2319 .3508 .2776 .2830  
 .025 .2699 .3755 .3621 .3512 .4461  
 .050 .1463 .1927 .1263 .1264 .2216  
 .150 .1750 .1596 .1171 .1437 .1760  
 .300 .2008 .1704 .1569 .1749 .2195  
 .520 .2579 .2650 .3121 .3611 .3437  
 .685 .2294 .4118 .6408 .5426 .2647  
 .775 .1939 .2811 .3470 .2454 .1335  
 .900 .1744 .1637 .0652 .0059

WACH ( 2 ) = .903 ALPHA ( 7 ) = 14.600

SECTION ( 1 ) LEFT VERTICAL DEFICIENT VARIABLE CP

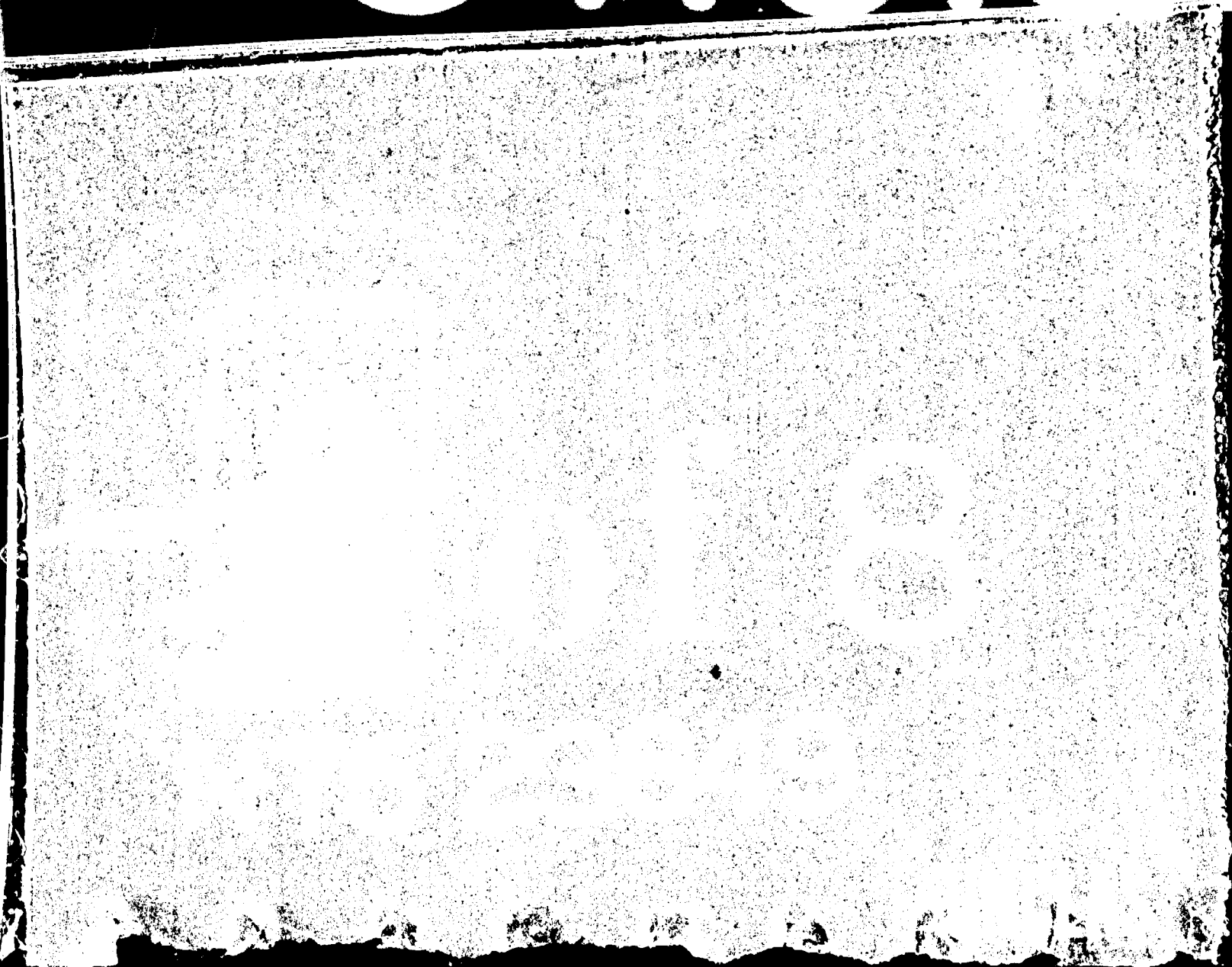
Z/8V .1500 .3160 .6030 .8400 .9250

K/CV

.000 .3045 .1469 .2551 .2265 .2346  
 .025 .3352 .3207 .3734 .3196 .4197  
 .050 .1791 .3522 .1818 .1327 .2188  
 .150 .2576 .3382 .1402 .1686 .1941  
 .300 .2547 .2658 .1766 .1934 .2346  
 .520 .3617 .2836 .3533 .3693 .3435  
 .685 .3387 .4424 .6435 .5268 .2806  
 .775 .2351 .3279 .3444 .2345 .1522  
 .900 .2748 .1675 .0000 .0000



Unclass



DATE 08 APR 75

TABULATED PRESSURE DATA - 0422A

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ARC11-716 0422 01

LEFT VERTICAL

(R82V03) ( 08 NOV 73 )

# REFERENCE DATA

SREF = 2.4210 36. FT. XMRP = 29.5000 INCHES  
 LREF = 36.7090 INCHES YMRP = .0000 INCHES  
 BREF = 36.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0000 SCALE

MACH ( 1 ) = .598 ALPHA ( 1 ) = -14.440

SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .6016 .5967 .6594 .6536 .6648  
 .025 -.0039 -.1449 -.2200 -.1769 -.3545  
 .050 .2104 .1161 .0196 -.0045 -.0299  
 .150 .1612 .0869 .0185 -.0137 -.0161  
 .300 .0752 .0204 -.0449 -.0623 -.0626  
 .520 -.1358 -.1930 -.2810 -.2833 -.2057  
 .605 -.1859 -.3050 -.3343 -.4171 -.3009  
 .775 -.1799 -.1590 -.1549 -.1586 -.0963  
 .900 -.0845 -.0195 -.0019 .0214

# PARAMETRIC DATA

BETA = .000 ELEVON = -20.000  
 RUDDER = .000 SPDRK = .000

MACH ( 1 ) = .598 ALPHA ( 2 ) = -9.980

SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .5406 .5351 .5893 .5785 .5927  
 .025 -.0669 -.1861 -.2418 -.1663 -.3685  
 .050 .1491 .0657 .0077 -.0194 -.0460  
 .150 .1050 .0483 .0089 -.0392 -.0364  
 .300 .0237 -.0210 -.0683 -.0771 -.0851  
 .520 -.1597 -.2056 -.2905 -.2875 -.2123  
 .605 -.1836 -.3151 -.3350 -.4008 -.2879  
 .775 -.1217 -.1682 -.1659 -.1560 -.0975  
 .900 -.0902 -.0377 -.0064 .0158



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(RB2V03)

LEFT VERTICAL

ARC11-716 0A22 01

MACH ( 1 ) = .596 ALPHA ( 3 ) = -4.870

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3100 .6000 .8400 .9250

X/CV

.000 .4843 .4667 .5147 .4902 .5034  
 .025 -.1465 -.2365 -.2667 -.1628 -.3811  
 .050 .0874 .0223 -.0322 -.0333 -.0643  
 .150 .0323 .0077 -.0391 -.0631 -.0620  
 .300 -.0206 -.0570 -.0910 -.1026 -.0990  
 .520 -.1793 -.2164 -.2891 -.2789 -.2140  
 .685 -.1790 -.3225 -.3199 -.3662 -.2668  
 .775 -.1304 -.1756 -.1613 -.1516 -.0928  
 .900 -.0946 -.0484 -.0035 -.0035 .0265

MACH ( 1 ) = .596 ALPHA ( 4 ) = -.010

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3100 .6000 .8400 .9250

X/CV

.000 .4293 .4072 .4471 .4166 .4258  
 .025 -.1965 -.2614 -.2769 -.1855 -.3859  
 .050 .0369 -.0200 -.0540 -.0878 -.0965  
 .150 .0039 -.0215 -.0649 -.0822 -.0741  
 .300 -.0596 -.0843 -.1100 -.1142 -.1107  
 .520 -.1938 -.2231 -.2856 -.2758 -.2110  
 .685 -.1806 -.3374 -.3201 -.3729 -.2376  
 .775 -.1432 -.1825 -.1700 -.1544 -.0954  
 .900 -.1135 -.0587 -.0221 -.0210 .0210

MACH ( 1 ) = .596 ALPHA ( 5 ) = 5.000

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3100 .6000 .8400 .9250

X/CV

.000 .3896 .3476 .3788 .3498 .3375  
 .025 -.2417 -.2758 -.2782 -.2160 -.3480  
 .050 .0020 .0424 .0614 .0933 .1064  
 .150 .0325 .0498 .0817 .0942 .0851  
 .300 .0857 .0910 .1263 .1250 .1153  
 .520 .1883 .2193 .2855 .2678 .2925  
 .685 .1725 .3402 .3154 .3708 .2359  
 .775 .1404 .1888 .1753 .1552 .0946  
 .900 .1250 .0627 .0258 .0258 .0033

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

LEFT VERTICAL (R02V03)

ARC11-716 0A22 01

MACH ( 1 ) = .596 ALPHA ( 6 ) = 9.970

SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .3648 .3074 .3198 .2759 .2904  
 .025 -.2630 -.2840 -.2706 -.2225 -.3198  
 .050 -.0236 -.0569 -.0714 -.0818 -.1148  
 .100 -.0595 -.0584 -.0875 -.0936 -.0962  
 .150 -.1041 -.1065 -.1254 -.1246 -.1176  
 .200 -.2074 -.2203 -.2799 -.2349 -.1891  
 .250 -.1785 -.1363 -.2975 -.2988 -.2178  
 .300 -.1393 -.1923 -.1568 -.1348 -.0850  
 .350 -.1324 -.0638 -.0235 -.0235

MACH ( 1 ) = .596 ALPHA ( 7 ) = 14.640

SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .3456 .2836 .2827 .2313 .2374  
 .025 -.2761 -.2835 -.2371 -.2145 -.2309  
 .050 -.0365 -.0689 -.0748 -.0782 -.0926  
 .100 -.0728 -.0710 -.0910 -.1004 -.0889  
 .150 -.1158 -.1123 -.1224 -.1182 -.1095  
 .200 -.2232 -.2225 -.2759 -.2192 -.1690  
 .250 -.1986 -.3499 -.2812 -.2732 -.2008  
 .300 -.1523 -.2001 -.1568 -.1278 -.0874  
 .350 -.1319 -.0548 -.0187 .0232

MACH ( 2 ) = .904 ALPHA ( 1 ) = -14.570

SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .6777 .6639 .6989 .6641 .6576  
 .025 .0863 -.0509 -.1812 -.2110 -.3904  
 .050 .2961 .1946 .0995 .0265 -.1394  
 .100 .2377 .1624 .0690 .0016 -.0190  
 .150 .1501 .0802 -.0022 -.0477 -.0872  
 .200 -.0697 -.1650 -.1930 -.2648 -.2475  
 .250 -.4159 -.0026 -.1094 -.6397 -.10340  
 .300 -.3001 -.5124 -.1030 -.5655 -.6229  
 .350 -.3319 -.4601 -.3950 -.2770



DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

(R82V03)

LEFT VERTICAL

ARC11-716 0422 01

MACH ( 2 ) = .903 ALPHA ( 2 ) = -10.030

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV  
 .000 .6106 .5936 .6247 .5011 .5774  
 .025 .0187 -.1182 -.2227 -.2428 -.4150  
 .050 .2329 .1361 .0569 -.0178 -.1265  
 .150 .1744 .1102 .0309 -.0462 -.0500  
 .300 .0959 .0401 -.0386 -.0837 -.1185  
 .520 -.1055 -.1735 -.2206 -.2946 -.2961  
 .685 -.3053 -.6369 -1.0770 -.6099 -.9475  
 .775 -.2162 -.3913 -.6994 -.5265 -.4855  
 .900 -.2810 -.3413 -.3975 -.2124

MACH ( 2 ) = .902 ALPHA ( 3 ) = -4.990

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV  
 .000 .5204 .3041 .5397 .4884 .4848  
 .025 -.0720 -.1849 -.2724 -.3018 -.4734  
 .050 .1488 .0667 .0065 -.0809 -.1748  
 .150 .0933 .0485 .0196 -.1006 -.0994  
 .300 .0265 .0091 .0780 -.1383 -.1526  
 .520 -.1386 -.1938 -.2528 -.3408 -.3226  
 .685 -.2494 -.5156 -.9994 -.4972 -.5316  
 .775 -.1835 -.3238 -.4749 -.4085 -.2079  
 .900 -.2415 -.1883 -.2935 -.1215

MACH ( 2 ) = .901 ALPHA ( 4 ) = .000

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV  
 .000 .4640 .4154 .4547 .3935 .3947  
 .025 -.1526 -.2409 -.3100 -.3124 -.4742  
 .050 .0765 .0097 .0482 -.1120 -.1992  
 .150 .0255 .0018 .0503 -.1295 -.1413  
 .300 -.0310 .0537 .1177 .1611 .1050  
 .520 -.1710 .2235 .2867 .3527 .3320  
 .685 -.2301 .4841 .6069 .4721 .3245  
 .775 -.1661 .3098 .4333 .3683 .2150  
 .900 .2437 .1883 .2297 .0792



DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

(R82V03)

LEFT VERTICAL

ARC11-716 0422 01

MACH ( 2 ) = .902 ALPHA ( 5 ) = 5.040

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.900 .4223 .3599 .3660 .3079 .3125  
 .925 -.2277 -.2870 -.3070 -.3362 -.4723  
 .950 -.0081 -.0376 -.0788 -.1225 -.2388  
 .150 -.0303 -.0461 -.0917 -.1499 -.1688  
 .300 -.0794 -.0909 -.1375 -.1852 -.2093  
 .520 -.1830 -.2309 -.3044 -.3731 -.3556  
 .685 -.2124 -.4568 -.6741 -.5587 -.2872  
 .775 -.1715 -.3041 -.3819 -.3327 -.1743  
 .900 -.2255 -.1879 -.1435 -.0335

MACH ( 2 ) = .903 ALPHA ( 6 ) = 10.010

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.900 .3072 .2680 .3279 .2621 .2605  
 .925 -.1502 -.2711 -.3060 -.3282 -.4464  
 .950 -.0553 -.0380 -.1121 -.1304 -.2232  
 .150 -.0694 -.0817 -.1078 -.1582 -.1757  
 .300 -.1138 -.1128 -.1564 -.1914 -.2195  
 .520 -.2032 -.2316 -.3130 -.3755 -.3535  
 .685 -.2023 -.3975 -.6147 -.5773 -.2666  
 .775 -.1687 -.2694 -.3518 -.2910 -.1440  
 .900 -.2216 -.1733 -.0983 -.0075

MACH ( 2 ) = .904 ALPHA ( 7 ) = 14.620

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.900 .3184 .2212 .2796 .2238 .2265  
 .925 -.2870 -.3603 -.2949 -.2840 -.3954  
 .950 -.1542 -.1915 -.1185 -.1059 -.1912  
 .150 -.1746 -.1380 -.1122 -.1496 -.1832  
 .300 -.2033 -.1477 -.1555 -.1807 -.2228  
 .520 -.2948 -.2530 -.3218 -.3550 -.3239  
 .685 -.2669 -.4403 -.5869 -.4767 -.2547  
 .775 -.1997 -.2977 -.2086 -.1161  
 .900 -.2361 -.1385 -.0471 .0182



DATE 28 APR 75 TABULATED PRESSURE DATA - 0422A

(R82V09) (29 SEP 73)

LEFT VERTICAL

ARC11-716 0422 01

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000  
RUDDER = -10.000 SPOBRK = .000

REFERENCE DATA

SACF = 2.4210 INCHES KMRP = 29.5000 INCHES  
LREF = 30.7390 INCHES KMRP = .0000 INCHES  
SREF = 30.7090 INCHES KMRP = .0000 INCHES  
SCALE = .0000 SCALE

MACH ( 1 ) = .597 BETA ( 1 ) = -9.960

SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE OF

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV  
.000 -.2635 -.5405 -.5161 -.0663 -.0455  
.025 -.4676 -.4368 -.4590 -.4190 -.3634  
.050 -.4257 -.3895 -.3981 -.3712 -.3102  
.075 -.0000 .2715 .2590 .2099 .1435  
.100 .1559 .1208 .0884 .0483 .0021  
.125 -.1036 -.1849 -.2597 -.2657 -.2353  
.150 -.2556 -.5743 -.5677 -.6098 -.3619  
.175 -.1935 -.3248 -.2993 -.3286 -.2210  
.200 -.1911 -.1325 -.2156 -.1695

MACH ( 1 ) = .598 BETA ( 2 ) = -4.980

SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE OF

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV  
.000 .1897 .0720 .1673 .2712 .1817  
.025 .2686 .2617 .2662 .2225 .1870  
.050 .2377 .2290 .2170 .1878 .1666  
.075 .0000 .1179 .1009 .0645 .0375  
.100 .0337 .0076 -.0301 -.0341 -.0452  
.125 -.1757 -.2237 -.2440 -.2160 -.1790  
.150 -.2446 -.6656 -.6109 -.4018 -.2677  
.175 -.1819 -.3998 -.4393 -.3080 -.1648  
.200 -.1718 -.2291 -.1592 -.0930

(R82V09)

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

ARC11-716 0A22 01

LEFT VERTICAL

MACM ( 1 ) = .597 BETA ( 3 ) = .000

SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

W/CV  
 .000 .4189 .4027 .4495 .4003 .4328  
 .025 -.2543 -.3399 -.4500 -.2636 -.5011  
 .050 -.0033 -.0668 -.1219 -.1514 -.1777  
 .100 .0200 .0614 .1105 .1211 .1014  
 .150 -.1113 -.1329 -.1676 -.1229 -.1120  
 .200 -.2490 -.2854 -.2570 -.1757 -.1528  
 .250 -.2395 -.2190 -.2230 -.1673 -.1739  
 .300 -.2111 -.2007 -.4601 -.1514 -.1581  
 .350 -.1720 -.3686 -.1502 -.1474

MACM ( 1 ) = .598 BETA ( 4 ) = 4.980

SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

W/CV  
 .000 .1944 .0231 .0001 -.1748 -.0574  
 .025 -.6005 -.7017 -.7037 .7565 -.9457  
 .050 .5685 .5993 .6515 .7084 .8365  
 .100 .0000 .5258 .5842 .6099 .6348  
 .150 -.2701 .3219 .5085 .4751 .4178  
 .200 .3248 .3463 .4276 .2913 .2242  
 .250 .2736 .7309 .4340 .2538 .2180  
 .300 .2486 .4522 .3985 .2072 .1916  
 .350 .2002 .3427 .1790 .1736

MACM ( 1 ) = .600 BETA ( 5 ) = 9.990

SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

W/CV  
 .000 -.2946 -.7298 -.6915 -.3759 -.2600  
 .025 -1.1030 -1.0450 -1.0090 -.6564 -.4936  
 .050 -1.1780 -1.0330 -1.0050 .6442 .4983  
 .100 .0000 -1.0660 .9929 .6326 .5000  
 .150 .3043 -1.0220 .9148 .5943 .4089  
 .200 .3676 .4247 .7633 .4726 .4741  
 .250 .2928 .7036 .6291 .4052 .3690  
 .300 .2656 .3923 .5714 .3755 .3571  
 .350 .2438 .4575 .2761 .3668



(R82V09)

LEFT VERTICAL

TABULATED PRESSURE DATA - Q422A

DATE 09 APR 75

ARC11-716 Q422 01

MACH ( 2 ) = .839 BETA ( 1 ) = -3.950

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .1498 -.0655 -.1414 -.0428 -.1236  
 .025 .4835 .4497 .4470 .3883 .3318  
 .050 .4363 .4011 .3924 .3469 .2845  
 .100 .3201 .2939 .2647 .2323 .1281  
 .150 .2070 .1653 .1179 .0602 -.0310  
 .200 .0270 -.1118 -.2521 -.2781 -.2905  
 .250 -.3123 -.7809 -1.0350 -.7159 -.6368  
 .300 -.2280 -.5407 -.7350 -.5196 -.4244  
 .350 -.3668 -.4336 -.4201 -.2855

MACH ( 2 ) = .901 BETA ( 2 ) = -4.970

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .2483 .1963 .2065 .2920 .2356  
 .025 .2308 .2285 .2916 .2911 .2292  
 .050 .2239 .2169 .2520 .2483 .1994  
 .100 .1264 .1342 .1460 .1215 .0491  
 .150 .0301 .0423 .0327 .0035 -.0805  
 .200 -.1179 -.1631 -.1540 -.2657 -.2119  
 .250 -.2887 -.6753 -.5969 -.2482 -.3530  
 .300 -.2055 -.5734 -.5284 -.2191 -.2647  
 .350 -.2665 -.4730 -.2103 -.2096

MACH ( 2 ) = .902 BETA ( 3 ) = .010

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .3632 .3596 .4584 .4369 .4457  
 .025 .2624 -.3612 -.3577 -.2623 -.4679  
 .050 .0228 -.0687 -.0700 -.1090 -.2026  
 .100 .0000 .0629 .0791 .1025 .1110  
 .150 -.1534 -.1220 .1238 .1238 .1776  
 .200 .2339 .2476 .1739 .2737 .1755  
 .250 .2786 .7137 .4935 .2263 .2872  
 .300 .2224 .6298 .4512 .2250 .2658  
 .350 .2391 .4315 .2341 .2211

(R82V09)

LEFT VERTICAL

TABULATED PRESSURE DATA - 0A22A

ARC11-716 0A22 01

MACH ( 2 ) = .900 BETA ( 4 ) = 4.990

SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE CP

Z/8V	.1500	.3160	.6000	.8400	.9250
X/CV					
.000	.3202	.2508	.1882	.0970	.1944
.025	-.5167	-.8457	-.9629	-.6404	-.4751
.050	-.5395	-.7891	-.9790	-.6476	-.4827
.100	-.0000	-.6017	-.8696	-.6133	-.4663
.200	-.4181	-.4813	-.6535	-.5695	-.4228
.300	-.3961	-.3310	-.2997	-.4187	-.3493
.400	-.2698	-.1705	-.6265	-.3520	-.3033
.500	-.2318	-.5252	-.5487	-.3344	-.3196
.600		-.2706	-.5175	-.2680	-.3014

MACH ( 2 ) = .901 BETA ( 5 ) = 9.970

SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE CP

Z/8V	.1500	.3160	.6000	.8400	.9250
X/CV					
.000	.1479	-.0780	-.1630	-.2420	-.0961
.025	-.6834	-1.0100	-.8851	-.5301	-.4743
.050	-.7149	-1.0110	-.9041	-.5376	-.4744
.100	-.0000	-1.0020	-.8294	-.5282	-.4964
.200	-.4095	-.9311	-.7341	-.5303	-.5041
.300	-.6319	-.5894	-.6016	-.5296	-.5270
.400	-.3726	-.6310	-.5247	-.4724	-.4641
.500	-.2592	-.5066	-.4936	-.4675	-.4641
.600		-.2683	-.4910	-.4422	-.4695



DATE 08 APR 73 TABULATED PRESSURE DATA - 0422A

LEFT VERTICAL (R02V10) ( 29 SEP 73 )

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000  
RUDDER = 10.000 SPDBRK = .000

REFERENCE DATA

SRCP = 2.4210 IN. FT. XMRP = 29.5600 INCHES  
LRCP = 30.7590 INCHES YMRP = .0000 INCHES  
BRCP = 30.7590 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

MACH ( 1 ) = .996 BETA ( 1 ) = -9.970

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE OF

Z/8V .1500 .3160 .6000 .8400 .9250

K/CV

.000 -.2871 -.6300 -.7587 -.3059 -.3017  
.025 -.4827 -.4496 .4917 .4906 .4033  
.050 .4344 .4080 .4654 .4446 .3661  
.150 .0000 .2863 .3449 .3110 .2106  
.300 .1030 .1696 .2271 .1818 .0828  
.520 -.0702 -.0714 -.0284 -.0786 -.1011  
.645 -.2170 -.0340 .0066 -.0896 -.3305  
.775 -.1559 -.0340 .0071 -.1907 -.2405  
.900 -.0755 -.0559 -.1927 -.2010

MACH ( 1 ) = .997 BETA ( 2 ) = -4.970

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE OF

Z/8V .1500 .3160 .6000 .8400 .9250

K/CV

.000 .1628 .0129 .0264 .0739 .0185  
.025 .2875 .2870 .3544 .3649 .3264  
.050 .2500 .2523 .2976 .3210 .2840  
.150 .0000 .1482 .1887 .1987 .1334  
.300 .0557 .0474 .1030 .1010 .0328  
.520 .1489 .1403 .1311 .0947 .1106  
.645 .2034 .0906 .0518 .0959 .2810  
.775 .1432 .0729 .0367 .1221 .1733  
.900 .0950 .0552 .1114 .1100

(RREV10)

LEFT VERTICAL

DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

ARC11-716 0422 01

MACH ( 1 ) = .396 BETA ( 3 ) = .020

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3100 .6000 .8400 .9250

W/CV

.020 .4110 .4006 .4530 .4564 .4419  
 .025 -.2316 -.2750 -.1995 -.1201 -.1954  
 .030 .0032 -.0401 -.0306 .0169 .0331  
 .150 .0000 -.0496 -.0260 .0160 .0224  
 .300 -.0919 -.0992 -.0590 .0423 .0619  
 .520 -.2210 -.2162 -.2280 .1647 .1630  
 .685 -.2011 -.1441 -.1266 .1641 .2933  
 .775 -.1440 .1135 .0928 .1502 .1001  
 .900 .1106 .0985 .1210 .0999

MACH ( 1 ) = .397 BETA ( 4 ) = 5.020

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

W/CV

.020 .2127 .0726 .1296 .1224 .1090  
 .025 -.5905 -.6375 -.6735 -.4547 .7721  
 .030 .5096 .5427 .6755 .4194 .6292  
 .150 .0200 .4689 .6906 .3695 .4721  
 .300 .2422 .2747 .3171 .2921 .1950  
 .520 .2821 .2352 .2405 .2251 .1795  
 .685 .2171 .1903 .1635 .1740 .2522  
 .775 .1699 .1439 .1100 .1402 .1200  
 .900 .1209 .0650 .0639 .0223

MACH ( 1 ) = .600 BETA ( 5 ) = 9.940

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

W/CV

.020 .2801 .6295 .4513 .2330 .0199  
 .025 .9976 .9952 .8254 .4726 .3594  
 .030 .1070 .9787 .8416 .4666 .3597  
 .150 .0700 .9575 .8030 .4410 .3534  
 .300 .2833 .8300 .7461 .3943 .3228  
 .520 .3284 .3331 .5945 .3218 .2674  
 .685 .2221 .2258 .4854 .2680 .1923  
 .775 .1847 .1507 .3566 .2343 .1552  
 .900 .1133 .2201 .1954 .1561



UNREVIEWED

LEFT VERTICAL

DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

ARC11-716 0422 01

MAON ( 2 ) = .900 BETA ( 1 ) = -9.930

SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1500 .3100 .0000 .0400 .9250

K/CV

.000 .1904 -.0371 -.1203 -.0334 -.1456  
 .025 .4847 .4552 .4687 .4541 .3909  
 .050 .4433 .4094 .4201 .4150 .3513  
 .150 .0000 .3026 .3027 .2918 .1966  
 .300 .2124 .1769 .1922 .1754 .0673  
 .450 .0116 -.0009 -.0647 -.1067 -.0583  
 .600 .2927 -.0774 -.0536 -.1124 -.5533  
 .750 .1893 -.0402 -.0472 -.2435 -.4825  
 .900 -.0906 -.1304 -.3697 -.3663

MAON ( 2 ) = .901 BETA ( 2 ) = -4.990

SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1500 .3100 .0000 .0400 .9250

K/CV

.000 .2077 .1956 .2023 .2411 .1956  
 .025 .2451 .2240 .3052 .3293 .2768  
 .050 .2236 .2019 .2669 .2877 .2419  
 .150 .0000 .1296 .1503 .1716 .1034  
 .300 .0909 .0473 .0730 .0690 .0118  
 .450 -.1170 -.1616 -.1503 -.1714 -.1036  
 .600 .2823 .1378 .1260 .1681 .4589  
 .750 .1656 .0032 .1036 .2743 .4054  
 .900 .1237 .1413 .3267 .2080

MAON ( 2 ) = .902 BETA ( 3 ) = .030

SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1500 .3100 .0000 .0400 .9250

K/CV

.000 .3070 .3571 .4555 .4406 .4460  
 .025 .2617 .3631 .3396 .2679 .3622  
 .050 .0236 .0919 .0687 .0390 .0829  
 .150 .0000 .0046 .0739 .0720 .0842  
 .300 .1431 .1108 .1052 .0878 .1344  
 .450 .2373 .2516 .2620 .2360 .1758  
 .600 .2673 .2324 .2401 .2904 .3967  
 .750 .1014 .1345 .1851 .2686 .3260  
 .900 .1638 .1947 .2597 .2207





DATE 08 APR 73 TABULATED PRESSURE DATA - 0422A

(R02V10)

LEFT VERTICAL

ARC11-716 0422 01

MACH ( 2 ) = .899 BETA ( 4 ) = 5.000

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/RV .1900 .3160 .6000 .8400 .9250

W/CV

.000 .3160 .2245 .1790 .1199 .2097  
 .025 -.5242 -.8407 -.9104 -.6168 -.5943  
 .050 -.5489 -.7932 -.8076 -.6069 -.6185  
 .100 .0000 .6145 .8376 .5549 .6267  
 .150 -.4294 -.4848 .7581 .4951 .4766  
 .200 -.3840 .2555 .2455 .4107 .3765  
 .250 -.2449 .2345 .1983 .3505 .3331  
 .300 .2316 .1674 .1665 .2919 .2436  
 .350 .1910 .1347 .2124 .1443

MACH ( 2 ) = .901 BETA ( 5 ) = 10.010

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/RV .1900 .3160 .6000 .8400 .9250

W/CV

.000 .1446 .0741 .1575 .2012 .0367  
 .025 .6759 .10110 .9496 .5204 .4552  
 .050 .7119 .10093 .9571 .5162 .4540  
 .100 .0000 .10020 .8591 .5206 .4673  
 .150 .4146 .9305 .7863 .5334 .4525  
 .200 .5575 .5701 .7344 .4520 .4351  
 .250 .3442 .3529 .6299 .3986 .3358  
 .300 .2169 .1953 .5633 .3581 .3170  
 .350 .1719 .1406 .3316 .2865



DATE 09 APR 73 TABULATED PRESSURE DATA - 0422A

(RB2V11) ( 08 NOV 73 )

ARC11-716 0422 01

LEFT VERTICAL

PARAMETRIC DATA

BETA = .000 ELEVON = .000  
RUDDER = .000 SPDBRK = .5.000

REFERENCE DATA

SREF = 2.4210 34-FT. XMRP = 29.5800 INCHES  
LREF = 38.7090 INCHES YMRP = .0000 INCHES  
BREF = 38.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

MACH ( 1 ) = .595 ALPHA ( 1 ) = -14.370

SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE OF

Z/8V .1580 .3160 .6000 .8400 .9250

X/CV

.000 .5915 .6008 .6874 .6473 .6475  
.025 -.0480 -.1062 -.2124 -.1135 -.2963  
.050 .1748 .0840 .0645 .0485 .0237  
.150 .1319 .0676 .0759 .0482 .0381  
.300 .0386 .0095 .0618 .0479 .0360  
.520 -.1625 -.1586 .0876 .0155 -.0369  
.685 -.1982 .0208 .0673 -.0050 -.2463  
.775 -.1566 -.0530 -.0288 -.0877 -.1699  
.900 -.1455 -.1602 -.1203 -.1630

MACH ( 1 ) = .597 ALPHA ( 2 ) = -9.790

SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE OF

Z/8V .1580 .3160 .6000 .8400 .9250

X/CV

.000 .5336 .5393 .6164 .6163 .6185  
.025 -.1170 -.2291 -.2203 -.0840 -.3019  
.050 .1174 .0419 .0302 .0548 .0331  
.150 .0750 .0241 .0521 .0524 .0395  
.300 -.0088 -.0260 .0391 .0321 .0145  
.520 -.1906 -.1722 .0585 .0236 -.0500  
.685 -.2042 .0036 .0440 .0009 -.2493  
.775 -.1562 -.0506 -.0451 -.0780 -.1719  
.900 -.1544 -.1749 -.1112 -.1534

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(MB2V11)

LEFT VERTICAL

ARC11-716 0A22 01

MACH ( 1 ) = .598 ALPHA ( 3 ) = -4.793

SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV  
 .000 .4759 .4730 .5471 .5190 .5232  
 .025 -.1888 -.2779 -.2447 -.0863 -.3013  
 .050 .0615 -.0047 -.0002 .0109 -.0130  
 .150 .0207 -.0118 .0213 .0163 .0133  
 .300 -.0476 -.0555 .0175 .0169 -.0088  
 .520 -.2116 -.1782 .0471 .0121 -.0463  
 .685 -.2081 .0024 .0232 -.0162 -.2314  
 .775 -.1513 -.0632 -.0592 -.0848 -.1676  
 .900 -.1510 -.1875 -.1149 -.1181

MACH ( 1 ) = .598 ALPHA ( 4 ) = .180

SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV  
 .000 .4166 .4064 .4758 .4468 .4428  
 .025 -.2450 -.3130 -.2538 -.1187 -.3134  
 .050 .0050 -.0475 -.0214 -.0204 -.0533  
 .150 -.0291 -.0475 -.0047 -.0058 -.0052  
 .300 -.0896 -.0795 -.0041 -.0058 -.0244  
 .520 -.2185 -.1838 .0204 .0052 -.0495  
 .685 -.1970 -.0128 .0084 .0326 -.2135  
 .775 -.1473 -.0626 -.0761 .0987 -.1564  
 .900 -.1503 -.1947 -.1229 -.1122

MACH ( 1 ) = .597 ALPHA ( 5 ) = 5.220

SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV  
 .000 .3720 .3323 .4031 .3711 .3662  
 .025 -.2905 -.3174 -.2530 -.1485 -.2955  
 .050 .0397 -.0660 .0379 .0346 -.0734  
 .150 .0683 .0693 .0206 .0289 .0294  
 .300 .1173 .1006 .0203 .0286 .0432  
 .520 .2239 .1942 .0004 .0224 .0628  
 .685 .1944 .0142 .0123 .0391 .1990  
 .775 .1192 .0613 .0844 .1041 .1510  
 .900 .1608 .2074 .1297 .1230



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(RB2V11)

LEFT VERTICAL

ARC11-716 0A22 01

MACH ( 1 ) = .597 ALPHA ( 6 ) = 10.260

SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1580 .3160 .6000 .8400 .9250

X/CV  
 .000 .3428 .3077 .3503 .3099 .3037  
 .025 -.3131 -.3325 -.2360 -.1609 -.2729  
 .050 -.0661 -.0897 -.0419 -.0261 -.0679  
 .150 -.0934 -.0912 -.0284 -.0327 -.0421  
 .300 -.1379 -.1058 -.0299 -.0306 -.0556  
 .520 -.2393 -.333 -.0059 -.0174 -.0670  
 .685 -.1972 -.0140 -.0191 -.0474 -.1896  
 .775 -.1442 -.0591 -.0929 -.0970 -.1364  
 .900 -.1598 -.1990 -.1264 -.1205

MACH ( 1 ) = .597 ALPHA ( 7 ) = 14.850

SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1580 .3160 .6000 .8400 .9250

X/CV  
 .000 .3225 .2778 .3148 .2536 .2538  
 .025 -.3297 -.3321 -.2254 -.1626 -.2579  
 .050 -.0767 -.1058 -.0555 -.0358 -.0685  
 .150 -.1088 -.1034 -.0354 -.0421 -.0534  
 .300 -.1461 -.1257 -.0324 -.0397 -.0618  
 .520 -.2572 -.1959 -.0127 -.0265 -.0786  
 .685 -.2165 -.0210 -.0278 -.0550 -.1953  
 .775 -.1660 -.0695 -.0941 -.1029 -.1408  
 .900 -.1563 -.2091 -.1263 -.1378

MACH ( 2 ) = .902 ALPHA ( 1 ) = -14.470

SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1580 .3160 .6000 .8400 .9250

X/CV  
 .000 .6312 .6465 .7149 .7159 .7125  
 .025 .0271 -.1378 -.2175 -.1332 -.2989  
 .050 .2479 .1419 .0821 .0875 -.0065  
 .150 .1875 .1196 .0918 .0855 .0912  
 .300 .0944 .0314 .0762 .0912 .0639  
 .520 .1015 -.1668 .1509 .0693 .0436  
 .685 .3399 .0624 .1412 .0259 -.4648  
 .775 .1378 -.0247 .0539 -.1655 -.3462  
 .900 .0837 -.0624 -.2657 -.3133

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(R82V11)

LEFT VERTICAL

MACH ( 2 ) = .901 ALPHA ( 2 ) = -9.870

SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .3681 .5606 .6397 .6293 .6246  
 .025 -.0711 -.2244 -.2749 -.1189 -.2790  
 .050 .1398 .0647 .0353 .0683 .0049  
 .150 .0868 .0463 .0428 .0764 .0560  
 .300 .0057 -.0187 .0451 .0788 .0336  
 .520 -.1577 -.2090 .1257 .0675 .0222  
 .685 -.2888 .0482 .1130 .0303 -.3203  
 .775 -.1773 -.0236 .0279 -.1249 -.2904  
 .900 -.0813 -.0898 -.2167 -.2622

MACH ( 2 ) = .902 ALPHA ( 3 ) = -4.830

SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .4686 .4611 .5600 .5497 .5465  
 .025 -.1660 -.3043 -.3115 -.1457 -.2923  
 .050 .0666 -.0219 .0012 .0293 -.0158  
 .150 -.0108 -.0326 .0072 .0487 .0369  
 .300 -.0674 -.0719 .0275 .0511 .0039  
 .520 -.2323 -.2292 .1088 .0480 .0099  
 .685 -.2582 .0465 .0310 .0119 -.2538  
 .775 -.1640 .0190 .0103 -.1289 -.2563  
 .900 -.0714 -.1004 -.2167 -.2384

MACH ( 2 ) = .900 ALPHA ( 4 ) = .180

SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .3685 .5623 .4798 .4707 .4678  
 .025 -.2715 -.3864 -.3327 -.1838 -.3110  
 .050 .0262 -.1013 -.0402 .0013 .0562  
 .150 -.1065 .0932 -.0165 .0162 .0076  
 .300 -.1376 .1126 .0057 .0272 .0161  
 .520 -.2266 .2438 .0760 .0194 .0192  
 .685 -.2398 .0334 .0605 .0148 .2440  
 .775 -.1547 .0193 .0150 .1430 .2361  
 .900 -.0800 -.1234 -.2305 -.2234



DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

LEFT VERTICAL (E32V11)

ARC11-716 0422 01

MACH ( 2 ) = .904 ALPHA ( 5 ) = 5.220

SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV  
 .000 .3422 .3029 .4095 .3955 .3910  
 .025 -.3437 -.3934 -.2935 -.1834 -.2975  
 .050 -.0941 -.1225 -.0466 .0017 -.0570  
 .100 -.1486 -.1058 -.0223 .0008 -.0165  
 .150 -.1660 -.1204 .0087 .0052 -.0403  
 .200 -.2379 -.2415 .0622 .0038 -.0378  
 .250 -.2147 .0357 .0405 -.0375 -.2133  
 .300 -.1592 -.0172 -.0359 -.1509 -.2047  
 .350 -.0773 -.1900 -.2173 -.1707

MACH ( 2 ) = .901 ALPHA ( 6 ) = 10.260

SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV  
 .000 .2609 .2342 .3576 .3351 .3308  
 .025 -.2455 -.3617 -.3113 -.1946 -.2762  
 .050 -.1290 -.1921 -.0620 .0119 -.0676  
 .100 -.1495 -.1443 .0410 .0187 .0398  
 .150 -.1843 -.1511 .0184 .0162 .0533  
 .200 -.2528 -.2317 .0396 .0145 .0558  
 .250 -.2078 .0032 .0158 .0522 .2171  
 .300 -.1658 .0396 .0534 .1570 .2042  
 .350 -.0960 .1592 .2247 .1743

MACH ( 2 ) = .903 ALPHA ( 7 ) = 14.840

SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV  
 .000 .2990 .1530 .2903 .2884 .2802  
 .025 -.3357 -.5064 .3030 .1725 .2626  
 .050 -.1874 .3556 .1114 .0177 .0620  
 .100 -.2591 .2851 .0532 .0277 .0480  
 .150 -.3456 .2419 .0264 .0234 .0653  
 .200 -.3531 .2513 .0264 .0249 .0804  
 .250 -.2747 .0078 .0112 .0661 .2653  
 .300 -.2147 .0513 .0573 .1753 .2381  
 .350 .1583 .1673 .2457 .2167

DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

(R82V12) ( 08 NOV 73 )

LEFT VERTICAL

ARC11-716 0422 01

PARAMETRIC DATA

BETA = .000 ELEVON = .000  
RUDDER = .000 SPOBRK = 95.000

REFERENCE DATA

SREF = 2.4210 38. FT. XMRP = 29.5800 INCHES  
LREF = 38.7090 INCHES YMRP = .0000 INCHES  
BREF = 38.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0300 SCALE

MACH ( 1 ) = .596 ALPHA ( 1 ) = -14.450

SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .5961 .6171 .7138 .6916 .6788  
.025 -.0329 -.1621 -.1137 .0175 -.1790  
.050 .1893 .1150 .1361 .1607 .1312  
.150 .1521 .0982 .1700 .1769 .1473  
.300 .0668 .0542 .1951 .1973 .1390  
.520 -.1366 .0330 .3360 .2563 .0770  
.685 -.2074 .2748 .3545 .2752 .2723  
.775 -.1886 .1285 .1765 .0778 .2168  
.900 -.0276 -.0324 -.0424 -.2207

MACH ( 1 ) = .596 ALPHA ( 2 ) = -9.830

SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .5373 .5552 .6447 .6147 .6088  
.025 -.1009 -.2090 -.1339 .0250 -.1752  
.050 .1284 .0675 .1054 .1295 .1009  
.150 .0533 .0346 .1356 .1471 .1168  
.300 .0161 .0192 .1624 .1621 .1094  
.520 -.1665 .0203 .2991 .2259 .0638  
.685 -.2193 .2558 .3175 .2477 .2522  
.775 -.1888 .1183 .1497 .0534 .2220  
.900 -.0374 -.0614 -.0654 -.2223



DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

(R82V12)

LEFT VERTICAL

ARC11-716 0422 01

MACH ( 1 ) = .597 ALPHA ( 3 ) = -4.820

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV  
 .000 .4768 .4829 .5679 .5328 .5247  
 .025 -.1806 -.2574 -.1739 -.0111 -.1937  
 .050 .0632 .0127 .0671 .0871 .0551  
 .150 .0287 .0121 .1000 .1063 .0848  
 .300 -.0383 -.0192 .1317 .1284 .0786  
 .520 -.1995 -.0201 .2644 .1934 .0428  
 .685 -.2252 .2357 .2828 .2203 -.2203  
 .775 -.1884 .1087 .1201 .0365 -.2265  
 .900 -.0502 -.0882 -.0838 -.2020

MACH ( 1 ) = .596 ALPHA ( 4 ) = .093

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV  
 .000 .4220 .4187 .5010 .4553 .4469  
 .025 -.2211 -.2846 -.1800 -.0408 -.1928  
 .050 .0124 -.0259 .0427 .0486 .0228  
 .150 -.0139 -.0224 .0705 .0659 .0543  
 .300 -.0755 -.0466 .1053 .1017 .0525  
 .520 -.2161 -.0460 .2313 .1607 .0243  
 .685 -.2234 .2247 .2446 .1849 -.2039  
 .775 -.1948 .0989 .0680 .0111 -.2175  
 .900 -.0519 -.1093 -.0960 -.1992

MACH ( 1 ) = .597 ALPHA ( 5 ) = 5.190

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV  
 .000 .3741 .3313 .4338 .3854 .3770  
 .025 -.2809 -.2989 -.1961 -.0650 -.1871  
 .050 .0355 .0375 .0265 .0499 .0121  
 .150 -.0556 .0516 .0563 .0568 .0379  
 .300 -.1018 .0645 .0881 .0727 .0379  
 .520 -.2229 .0668 .2026 .1322 .0124  
 .685 -.2089 .2203 .2115 .1633 -.1866  
 .775 -.1780 .1008 .0668 .0217 -.2022  
 .900 -.0496 -.1283 -.0967 -.1635



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(R82V12)

LEFT VERTICAL

ARC11-716 0A22 31

MACH ( 1 ) = .596 ALPHA ( 6 ) = 10.220

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .3446 .3214 .3793 .3189 .3098  
 .025 -.3042 -.3027 -.1700 -.1034 -.1868  
 .050 -.0564 -.0724 .0120 .0419 -.0057  
 .150 -.0788 -.0677 .0414 .0413 .0154  
 .300 -.1233 -.0765 .0738 .0545 .0195  
 .520 -.2252 -.0736 .1825 .1184 .0047  
 .685 -.2026 .2172 .1852 .1411 -.1686  
 .775 -.1568 .1069 .0500 -.0060 -.1917  
 .920 -.0433 -.1372 -.0950 -.1443

MACH ( 1 ) = .596 ALPHA ( 7 ) = 14.790

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .3256 .2884 .3355 .2709 .2569  
 .025 -.3165 -.3191 -.1717 -.1040 -.1789  
 .050 -.0717 -.0699 -.0022 .0249 .0073  
 .150 -.0928 -.0826 .0312 .0255 .0005  
 .300 -.1353 -.0902 .0581 .0359 .0008  
 .520 -.2459 -.0723 .1609 .0941 -.0214  
 .685 -.2237 .2090 .1656 .1230 .1866  
 .775 -.1874 .1028 .0345 -.0172 -.1672  
 .920 -.0430 -.1505 -.1070 .1461

MACH ( 2 ) = .903 ALPHA ( 1 ) = -14.490

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .6502 .6634 .7523 .7434 .7297  
 .025 .0414 -.1050 -.1016 .0703 -.0964  
 .050 .2632 .1671 .1823 .2267 .1894  
 .150 .2037 .1520 .2187 .2496 .2238  
 .300 .1212 .0371 .2649 .2807 .2201  
 .520 -.0631 .1149 .4446 .3488 .1799  
 .685 -.2390 .3847 .4699 .3599 -.3526  
 .775 -.2282 .2157 .3112 .1034 -.3159  
 .920 .0944 .1233 .0722 -.3257



DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

LEFT VERTICAL (082V12)

ARC11-716 0422 01

MACH ( 2 ) = .903 ALPHA ( 2 ) = -9.880

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3100 .6000 .8400 .9250

X/CV

.000 .3762 .3797 .6800 .6641 .6515  
 .025 -.0314 -.1937 -.1556 .0605 -.1206  
 .050 .1742 .0834 .1368 .1906 .1511  
 .150 .1096 .0703 .1729 .2161 .1906  
 .300 .0352 .0304 .2274 .2430 .1855  
 .520 -.1275 .0677 .4045 .3096 .1417  
 .685 -.2337 .3546 .4267 .3221 -.3525  
 .775 -.1988 .2342 .2752 .0762 -.3058  
 .900 .0860 .0902 -.1034 -.3156

MACH ( 2 ) = .898 ALPHA ( 3 ) = -4.840

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3100 .6000 .8400 .9250

X/CV

.000 .4728 .4832 .6044 .5881 .5721  
 .025 -.1547 .2807 -.1964 .0159 -.1453  
 .050 .0743 .0019 .0909 .1412 .0961  
 .150 .0335 .0020 .1339 .1769 .1511  
 .300 -.0517 .0250 .1932 .2049 .1492  
 .520 -.1762 .0454 .3751 .2688 .1073  
 .685 -.2268 .3346 .3323 .2814 -.3112  
 .775 -.1793 .1941 .2437 .0460 .3078  
 .900 .0829 .0642 -.1399 -.3151

MACH ( 2 ) = .902 ALPHA ( 4 ) = .210

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3100 .6000 .8400 .9250

X/CV

.000 .3971 .3820 .5286 .5067 .4968  
 .025 -.2611 -.3556 -.2142 -.0286 -.1587  
 .050 -.0128 -.0603 .0555 .1051 .0649  
 .150 -.0806 -.0567 .1049 .1447 .1175  
 .300 -.1093 -.0718 .1694 .1690 .1150  
 .520 -.2381 -.0215 .3305 .2309 .0659  
 .685 -.2181 .2985 .3452 .2424 -.2989  
 .775 -.1717 .1832 .2099 .0156 -.3147  
 .900 .0752 .0323 -.1659 -.3193

(R82V12)

LEFT VERTICAL

DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

ARC11-716 0422 01

MACH ( 2 ) = .900 ALPHA ( 5 ) = 5.175

SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .3479 .3133 .4548 .4376 .4172  
 .025 -.3419 -.3903 -.1875 -.0387 -.1505  
 .050 -.1932 -.1170 .0413 .1059 .0460  
 .150 -.1620 -.0970 .0902 .1183 .0681  
 .300 -.1513 -.0961 .1485 .1397 .0841  
 .520 -.2160 -.0326 .2950 .1937 .0349  
 .685 -.1937 .2917 .3011 .2373 .2579  
 .775 -.1634 .1840 .1712 .0078 .2801  
 .900 .0810 .0004 -.1826 -.2895

MACH ( 2 ) = .902 ALPHA ( 6 ) = 10.260

SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .2750 .2552 .4060 .3729 .3638  
 .025 -.2250 -.3432 -.2074 -.0650 -.1418  
 .050 -.1092 -.1495 .0051 .0823 .0289  
 .150 -.1360 -.1099 .0749 .0959 .0607  
 .300 -.1508 -.1037 .1262 .1166 .0607  
 .520 -.2277 -.0571 .2603 .1702 .0084  
 .685 -.2036 .2552 .2756 .1829 .2416  
 .775 -.1768 .1659 .1535 .0099 .2531  
 .900 .0693 .0131 -.1794 -.2427

MACH ( 2 ) = .900 ALPHA ( 7 ) = 14.840

SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .3100 .1726 .3516 .3292 .3110  
 .025 -.3293 -.4658 -.1921 -.0496 -.1442  
 .050 -.1733 .2898 .0196 .0759 .0346  
 .150 -.2468 .2258 .0493 .0835 .0402  
 .300 -.2933 .1614 .1115 .0963 .0384  
 .520 .2845 .0999 .2363 .1360 .0240  
 .685 .2543 .2637 .2509 .1521 .2636  
 .775 .2026 .1603 .1305 .0388 .2682  
 .900 .0637 .0326 .1991 .2765



DATE 09 APR 75 TABULATED PRESSURE DATA - 04224

(RB2V13) ( 03 JAN 74 )

LEFT VERTICAL

ARC11-716 0422 01

PARAMETRIC DATA

M.O.H = .600 ELEVON = .000  
RUDDER = .000 SPDRBK = .000

REFERENCE DATA

SRP = 2.4210 30.FT. YMRP = 29.5800 INCHES  
LRF = 34.7390 INCHES YMRP = .0000 INCHES  
BRP = 34.7390 INCHES ZMRP = .0000 INCHES  
SCALE = .0300 SCALE

ALPHA ( 1 ) = -10.000 BETA ( 1 ) = -9.870

SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 -.1493 -.3089 -.3182 -.0550 .0183  
.025 -.5707 -.5419 .5033 .5202 .4734  
.050 -.5166 .4882 .5041 .4652 .4145  
.100 -.3764 .3430 .3449 .2871 .2363  
.200 -.2309 .1924 .1750 .1297 .0882  
.300 -.0579 .1199 .1525 .2234 .3117  
.400 -.2257 .2401 .2644 .3248 .3943  
.500 -.1633 .1520 .1579 .2086 .2875  
.600 -.1234 .1144 .1170 .1770 .2713

ALPHA ( 1 ) = -10.010 BETA ( 2 ) = 10.110

SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 -.1672 -.4982 -.3466 -.2294 .0688  
.025 -.9964 -.9458 -.9250 -.5912 -.4613  
.050 -1.0600 -.8952 -.9250 -.5969 -.4593  
.100 -1.3630 -.9087 -.8798 -.5719 -.4505  
.200 -.2072 .9167 .7680 .5076 .4496  
.300 -.3417 .4497 .6096 .4040 .3952  
.400 -.2406 .4244 .4681 .3321 .2599  
.500 -.2300 .2971 .4304 .3075 .2277  
.600 -.1927 .3351 .2534 .1907

(MB2V13)

LEFT VERTICAL

DATE 09 APR 75 TABULATED PRESSURE DATA - 04224

ARC11-716 0422 01

ALPHA ( 2 ) = -.110 BETA ( 1 ) = -9.980

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

W/CV

.000 -.3016 -.6210 -.9651 -.2259 -.2116  
 .025 .4772 .4484 .4622 .4433 .3901  
 .050 .4364 .3964 .4207 .4013 .3424  
 .100 .2906 .2763 .2826 .2526 .1731  
 .200 .1703 .1370 .1393 .1122 .0329  
 .300 -.0923 -.1368 -.1536 -.1919 -.1427  
 .400 -.2398 -.2371 -.2444 -.2705 -.2791  
 .500 -.1711 -.1532 -.1506 -.1936 -.1964  
 .600 -.1284 -.1027 -.1626 -.1758

ALPHA ( 2 ) = -.120 BETA ( 2 ) = 10.010

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

W/CV

.000 -.2942 -.6432 -.5932 -.4330 -.1577  
 .025 .10490 .10470 .9461 -.5083 -.4712  
 .050 .11170 .10390 .9379 -.5031 -.4712  
 .100 .12990 .10390 .9331 -.5036 -.4648  
 .200 .3196 -.9233 -.8803 -.5211 -.4325  
 .300 .3624 -.4023 -.7174 -.4124 -.3945  
 .400 .2501 -.4090 .5944 .3664 .2783  
 .500 .2262 .2595 .4803 .3251 .2412  
 .600 .1899 .3236 .2801 .2033

ALPHA ( 3 ) = 10.190 BETA ( 1 ) = -9.080

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

W/CV

.000 -.4451 -.8159 -.7390 -.5094 -.4183  
 .025 .4037 .3617 .3468 .3213 .2545  
 .050 .3644 .3334 .3296 .2954 .2280  
 .100 .2496 .2302 .2274 .1835 .1120  
 .200 .1406 .1206 .1109 .0727 .0131  
 .300 .0934 .1215 .1413 .1971 .1217  
 .400 .2284 .2338 .2345 .2323 .2424  
 .500 .1586 .1119 .1413 .1693 .1792  
 .600 .1609 .1203 .1149 .1783



DAYE 29 APR 73

(NO2V13)

**LEFT VERTICAL**

RC 220C 914-11304

$$\alpha_{\text{PMA}} (3) = 10.100 \quad \text{BC7A} (2) = 10.110$$

SECTION 11100 VERTICAL

DEPENDENT VARIABLE OF

06-26-0009-0016-0017

[illegible]

DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

082V14) ( 03 JAN 74 )

LEFT VERTICAL

ARC11-716 0422 01

PARAMETRIC DATA

MAON = .900 ELEVON = .000  
RUDDER = .000 SPOONK = .000

REFERENCE DATA

WREF = 2.4210 36. FT. WREF = 29.5000 INCHES  
LREF = 36.7090 INCHES YREF = .0000 INCHES  
BREF = 36.7090 INCHES ZREF = .0000 INCHES  
SCALE = .0300 SCALE

ALPHA ( 1 ) = -10.100 BETA ( 1 ) = -9.800

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3100 .6000 .8400 .9250

W/CV  
.000 .2367 .0436 .1301 .2332 .1579  
.025 .6169 .5784 .5650 .5225 .4741  
.050 .5695 .5230 .5016 .4760 .4177  
.100 .4370 .3864 .3656 .3159 .2260  
.200 .3031 .2472 .2121 .1641 .0615  
.300 .0367 .0601 .0690 .1007 .1640  
.400 .2976 .4898 .6874 .1030 .1020  
.500 .2381 .2248 .4390 .9273 .9253  
.600 .2265 .3279 .5242 .3408 .920

ALPHA ( 1 ) = -10.100 BETA ( 2 ) = 10.070

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3100 .6000 .8400 .9250

W/CV  
.000 .2367 .0464 .0599 .0159 .1506  
.025 .6032 .9356 .9812 .6074 .5179  
.050 .6273 .9336 .9966 .6134 .5057  
.100 .8145 .8385 .9385 .6141 .5171  
.200 .3112 .8121 .8726 .5995 .5017  
.300 .9048 .6215 .7832 .5252 .5977  
.400 .4022 .6614 .6381 .4564 .4114  
.500 .2383 .4075 .5767 .4324 .5916  
.600 .2859 .5105 .4587 .5768 .5768

DATE 09 APR 75 TABULATED PRESSURE DATA - CA22A

LEFT VERTICAL

(N82V14)

ARC11-716 XA22 01

ALPHA ( 2 ) = -.160 BETA ( 1 ) = -9.950

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV  
 .000 .1448 -.0661 -.1029 -.0285 -.1001  
 .025 .4934 .4582 .4360 .4096 .3500  
 .050 .4503 .4059 .3683 .3632 .3080  
 .150 .3224 .2914 .2614 .2234 .1379  
 .300 .2115 .1674 .1353 .0909 -.0171  
 .520 -.0214 -.1107 -.1549 -.2463 -.2088  
 .685 -.3009 -.4222 -.5736 -.8775 -.8848  
 .775 -.2059 -.2154 -.3408 -.5299 -.5256  
 .900 -.2325 -.2746 -.4353 -.3116

ALPHA ( 2 ) = -.180 BETA ( 2 ) = 10.000

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV  
 .000 .1364 -.0874 -.1722 -.2557 -.0797  
 .025 .6738 -1.0230 -1.0370 -.5912 -.4933  
 .050 .7029 -1.0220 -1.0320 -.5854 -.4848  
 .150 .9220 -1.0120 -.9356 -.5764 -.4916  
 .300 .4261 -.9407 -.8323 -.5411 -.4847  
 .520 .5598 -.6257 -.7776 -.5025 -.4625  
 .685 .3491 -.5097 -.6604 -.4636 -.4232  
 .775 .2400 -.3166 -.5845 -.4462 -.4002  
 .900 .2514 -.5165 -.4175 -.3555

ALPHA ( 3 ) = 10.050 BETA ( 1 ) = -9.870

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV  
 .000 .0656 -.2161 -.3540 -.3124 -.3404  
 .025 .2332 .3264 .3260 .3085 .2423  
 .050 .2115 .2933 .2940 .2785 .2206  
 .150 .1309 .2007 .1901 .1703 .0792  
 .300 .0516 .1119 .0698 .0518 -.0613  
 .520 .0948 -.1012 -.1598 -.2397 -.1503  
 .685 .2948 .4011 .4455 .3833 .4987  
 .775 .2022 .2330 .2486 .3142 .2553  
 .900 .2275 .2051 .2660 .2541



DATE 09 APR 75 TABULATED PRESSURE DATA - 0422A

(RB2V14)

LEFT VERTICAL

ARC11-716 0422 01

ALPHA ( 3 ) = 10.120 BETA ( 2 ) = 10.100

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3180 .6000 .8400 .9250

X/CV

.000	.0473	-.2439	-.4339	-.5505	-.3154
.025	-.6518	-1.1010	-.9144	-.6440	-.4624
.050	-.5922	-1.1330	-.9441	-.6358	-.4635
.100	-.4737	-1.1130	-.9534	-.6217	-.4464
.300	-.6139	-.6440	-1.0430	-.5820	-.4491
.520	-.3476	-.2500	-.9684	-.5066	-.4228
.685	-.2387	-.2823	-.5907	-.4923	-.3832
.775	-.2311	-.2726	-.3098	-.4958	-.3779
.900		-.2794	-.2001	-.4688	-.4010



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(RB2V19) ( 03 JAN 74 )

LEFT VERTICAL

ARC11-716 0A22 01

PARAMETRIC DATA

MACH = .600 ELEVON = -20.000  
RUDDER = .000 SPD8RK = .000

REFERENCE DATA

SREF = 2.4210 50.FT. XMRP = 29.5800 INCHES  
LREF = 36.7090 INCHES YMRP = .0000 INCHES  
BREF = 36.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0300 SCALE

ALPHA ( 1 ) = -9.900 BETA ( 1 ) = -9.880

SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE CP

Z/BV .1580 .3160 .6000 .8400 .9250

X/CV  
.000 -.1332 -.4231 -.3696 .0479 .0356  
.025 .5837 .5645 .5924 .5515 .5037  
.050 .5514 .5113 .5385 .4974 .4403  
.150 .4180 .3851 .3727 .3304 .2536  
.300 .2692 .2317 .2143 .1682 .1103  
.520 -.0173 -.0726 -.1150 -.1638 -.1110  
.685 -.1857 -.1969 -.2239 -.2704 -.2494  
.775 -.1267 -.1233 -.1252 -.1646 -.1592  
.900 -.0946 -.0826 -.1271 -.1396

ALPHA ( 1 ) = -9.890 BETA ( 2 ) = 10.100

SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE CP

Z/BV .1580 .3160 .6000 .8400 .9250

X/CV  
.000 -.1199 -.4851 -.3350 -.2639 .0472  
.025 -.0948 -.8348 -.8176 -.5965 -.4611  
.050 -.9941 -.8077 -.8242 -.6021 -.4596  
.150 -1.2750 -.8233 -.7800 -.5649 -.4475  
.300 -.1322 -.8481 -.6872 -.5072 -.4188  
.520 -.2718 -.3762 -.5371 -.3683 -.3553  
.685 -.2034 -.3750 -.4042 -.3021 -.2403  
.775 -.1675 -.2372 -.3424 -.2669 -.2072  
.900 -.1585 -.2493 -.2285 -.1711

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(R82V15)

LEFT VERTICAL

ARC11-716 0A22 01

ALPHA ( 2 ) = -.220 BETA ( 1 ) = -9.970

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV  
 .000 -.2395 -.6041 -.6170 -.2834 -.2125  
 .025 .4992 .4546 .4774 .4594 .3980  
 .050 .4521 .4217 .4420 .4192 .3494  
 .150 .3271 .3026 .3083 .2750 .1875  
 .300 .1991 .1707 .1743 .1341 .0559  
 .520 -.0470 -.0909 -.1175 -.1684 -.1237  
 .685 -.1951 -.1971 -.2068 -.2327 -.2472  
 .775 -.1228 -.1272 -.1145 -.1615 -.1744  
 .900 -.1034 -.1054 -.0686 -.1423 -.1581

ALPHA ( 2 ) = .080 BETA ( 2 ) = 10.010

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV  
 .000 -.2862 -.7029 -.5888 -.4271 -.1445  
 .025 -.9791 -.9631 -.8639 -.5442 -.4336  
 .050 -1.0460 -.9683 -.8767 -.5480 -.4404  
 .150 -1.2310 -.9907 -.8595 -.5361 -.4257  
 .300 -.2560 -.8782 -.8212 -.4853 -.4032  
 .520 -.3011 -.3301 -.6570 -.3752 -.3439  
 .685 -.2079 -.3553 -.5413 -.3230 -.2520  
 .775 -.1749 -.2102 -.4387 -.2934 -.2168  
 .900 -.1556 -.3011 -.2606 -.1735

ALPHA ( 3 ) = 10.210 BETA ( 1 ) = -9.860

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV  
 .000 -.4116 -.7533 -.7533 -.5563 -.4731  
 .025 .4231 .3656 .3487 .3405 .2739  
 .050 .3796 .3435 .3363 .3188 .2331  
 .150 .2743 .2483 .2353 .2132 .1304  
 .300 .1716 .1402 .1353 .0964 .0305  
 .520 -.0513 -.0853 -.1250 -.1557 -.1014  
 .685 -.1903 -.2093 -.1347 -.1847 -.2019  
 .775 -.1163 -.1369 -.1149 -.1314 -.1438  
 .900 -.1590 -.1590 -.0848 -.1059 -.1601



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(R82V13)

LEFT VERTICAL

ARC11-716 0A22 01

ALPHA ( 3 ) = 10.150 BETA ( 2 ) = 10.110

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1360 .3160 .6000 .8400 .9250

X/CV

.000	-.3995	-.8681	-.7456	-.6222	-.3097
.025	-.9363	-.9397	-.7922	-.5481	-.3800
.050	-1.0250	-.9876	-.8034	-.5484	-.3750
.100	-.9386	-1.1280	-.8243	-.5193	-.3684
.150	-.3361	-.8342	-.8594	-.4623	-.3420
.200	-.2358	-.1724	-.7616	-.3970	-.2911
.250	-.2054	-.2063	-.6294	-.3523	-.2800
.300	-.1868	-.1914	-.4688	-.3267	-.2403
.350	-.2089	-.2790	-.3202	-.1989	

TABULATED PRESSURE DATA - 0422A

DATE 09 APR 75

(R82V16) ( 03 JAN 74 )

LEFT VERTICAL

ARC11-716 0422 01

PARAMETRIC DATA

MACH = .900 ELEVON = -20.000  
RUDDER = .000 SPOBRK = .000

REFERENCE DATA

SREF = 2.4210 30. FT. XMRP = 29.5400 INCHES  
LREF = 34.7090 INCHES YMRP = .0000 INCHES  
BREF = 38.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0300 SCALE

ALPHA ( 1 ) = -10.060 BETA ( 1 ) = -9.900

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .1967 -.0091 .0296 .1891 .1132  
.025 .6652 .6274 .5985 .5368 .4921  
.050 .6248 .5732 .5427 .4876 .4231  
.150 .4929 .4488 .3935 .3291 .2360  
.300 .3634 .3023 .2386 .1589 .0693  
.520 .0826 -.0259 -.0730 -.1854 -.1647  
.685 -.2712 -.4389 -.7234 -1.0200 -1.0080  
.775 -.2002 -.1985 -.3610 -.8023 -.8804  
.900 -.2262 -.3097 -.4931 -.3059

ALPHA ( 1 ) = -10.060 BETA ( 2 ) = 10.060

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .1903 -.0516 -.0188 -.0206 .1237  
.025 -.6474 -.9782 -.9212 -.5558 -.5189  
.050 -.6864 -.9736 -.9347 -.5541 -.4980  
.150 -.8757 -.9637 -.8699 -.5404 -.4761  
.300 -.2989 -.8688 -.7927 -.5203 -.4677  
.520 -.4902 -.5651 -.7015 -.5117 -.4518  
.685 -.3202 -.5919 -.6240 -.4496 -.3955  
.775 -.2603 -.3201 -.5835 -.4134 -.3766  
.900 -.2590 -.3028 -.5873 -.3542

DATE 08 APR 75

LEFT VERTICAL

(R82V16)

RELATED PRESSURE DATA - 0422A

ARC11-716 0422 01

ALPHA ( 2 ) = .010 BETA ( 1 ) = -9.970

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV  
 .000 .1204 .1274 .1801 .0668 .1122  
 .025 .3412 .4948 .4548 .4116 .3548  
 .050 .4907 .4488 .4076 .3671 .3064  
 .150 .3732 .3370 .2842 .2340 .1394  
 .300 .2631 .2076 .1563 .0957 .0176  
 .520 .0164 .0755 .1387 .2453 .2142  
 .685 .2718 .3782 .5056 .7642 .7093  
 .775 .1771 .2026 .2928 .4725 .5264  
 .900 .1202 .2369 .4348 .3100

ALPHA ( 2 ) = .090 BETA ( 2 ) = 10.000

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV  
 .000 .1069 .1674 .2469 .2593 .0960  
 .025 .7105 .10360 .8799 .5519 .4877  
 .050 .7406 .10350 .8925 .5409 .4929  
 .150 .9581 .10350 .8330 .5294 .4731  
 .300 .4090 .9735 .7651 .5307 .4716  
 .520 .4905 .5039 .7922 .4771 .4532  
 .685 .2872 .3551 .6350 .4402 .3899  
 .775 .2065 .2257 .5774 .4201 .3642  
 .900 .2176 .5248 .5895 .3439

ALPHA ( 3 ) = 10.210 BETA ( 1 ) = -9.880

SECTION ( 1 ) VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV  
 .000 .0585 .2643 .3951 .3860 .4118  
 .025 .2724 .3583 .3420 .3055 .2442  
 .050 .2380 .3245 .3049 .2803 .2175  
 .150 .1524 .2305 .2033 .1715 .0820  
 .300 .0711 .1319 .0935 .0545 .0418  
 .520 .0752 .0823 .1483 .2580 .1233  
 .685 .2562 .3766 .4035 .3938 .3871  
 .775 .1313 .2238 .2236 .2938 .2035  
 .900 .2212 .2187 .2100 .2436

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22A

(R02V16)

LEFT VERTICAL

ARC11-716 0A22 01

ALPHA ( 3 ) = 10.220 BETA ( 2 ) = 10.120

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000	.0375	-.2735	-.4619	-.5860	-.3493
.025	-.6785	-1.0920	-.8422	-.7461	-.4978
.050	-.6135	-1.1040	-.8684	-.7444	-.4953
.100	-.4756	-1.0980	-.9056	-.7061	-.4718
.150	-.5485	-.5584	-1.0020	-.6347	-.4529
.200	-.3243	-.2422	-.9612	-.5356	-.4206
.250	-.2394	-.2979	-.7515	-.5054	-.3879
.300	-.2523	-.3001	-.5872	-.5174	-.3582
.350		-.3101	-.2233	-.5041	-.3715

